



SEQUENCE LISTING

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<120> Predicting Outcome With Tamoxifen In Breast Cancer

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<150> US 60/504,087

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2042

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<213> Homo sapiens

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 aatgctacat tagttagcaa tatttgaaaa ttttattggt ataaaatgtt ttaattacta 180
 aggctgtttg taggctgcat agtaagcttc aggatcatca cacgtttttt ccctgtaatt 240
 ggtgggatag gaagccctta aggtctcttg cttctcatgg gtgggctaca aggagcagca 300
 gccatcgtgg caggcttgtg atcttttcc tgctgacacc tgctacttga catggagaag 360
 ttctgcacag aaagcagtgg catccttcat gaggtgtgtac ttggggcaga cactgagagc 420
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aatctggc

488

<210> 39

<211> 509

<212> DNA

<213> Homo sapiens

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ttagttaatg ctacattagt tagcaatatt tgaaaatttt attggtataa aatgttttaa 180

ttactaaggc tgtttgtagg ctgcatagta agcttcagga tcatcacacg tttttccct 240

gtaattggtg ggataggaag cctttaaggt ctcttgcttt tcatgggtgg gctacaagga 300

gcagcagcca tcgtggcagg cttgtgatct tttcctgct gacacctgct gcttgacatg 360

gagaagttct gcacagaaag cagtggcatc ctcatgagg tggacttgg ggcagacact 420

gagagcattg taatcgtctt ttgtatcaat ctctctaaag tagaccacca cgtatttg 480

cagatgaatc tggcttctta gatcactgc 509

<210> 40

<211> 502

<212> DNA

<213> Homo sapiens

<400> 40

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aatgctacat tagttagcaa tatttgaaaa tttattggt ataaaatggt ttaattacta 180

aggctgtttg taggctgcat agtaagcttc aggatcatca cacgttttt ccctgtaatt 240

ggtgggatag gaagccttta aggtctcttg ctctcatgg gtgggctaca aggagcagca 300

gccatcgtgg caggcttggt atcttttcc tgctgacacc tgctgcttga catggagaag 360

ttctgcacag aaagcagtgg catccttcat gaggtggtac ttggggcaga cactgagagc 420

attgtaatcg tcttttgtat caatctctct aaagtagacc accacgtatt tgtgcagatg 480

aatctggctt cttagatcac tg 502

<210> 41

<211> 460

<212> DNA

<213> Homo sapiens

<400> 41

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agttaatgct acattagtta gcaatatttg aaaattttat tggataaaa tgttttaatt 180

actaaggctg tttgtaggct gcatagtaag cttcaggatc atcacacgtt tttccctgt 240

aattgggtggg ataggaagcc ttaaggtct cttgcttctc atgggtgggc tacaaggagc 300

agcagccatc gtggcaggct tgtgatcttt ttctgctga cacctgctgc ttgacatgga 360

gaagttctgc acagaaagca gtggcatcct tcatgaggtg gtacttgggg cagacactga 420

gagcattgta atcgtctttt gtatcaatct ctctaaagta 460

<210> 42

<211> 510

<212> DNA

<213> Homo sapiens

<400> 42

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aatgctacat tagttagcaa tatttgaaaa ttatttggt ataaatggt ttaattacta 180

aggctgtttg taggctgcat agtaagcttc aggatcatca cacgttttt ccctgtaatt 240

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gccatcgtgg caggcttgtg atcttttcc tgctgacacc tgctgcttga catggagaag 360
 ttctgcacag aaagcagtgg catccttcat gaggtggtac ttggggcaga cactgagagc 420
 attgtaatcg tcttttgtat caatctctct aaagtagacc accacgtatt tgtgcagatg 480
 aatctggctt cttagatcac tgcagaaaag 510

<210> 43
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 43
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 catagaccat gcattgcagt gtaccagaaa ctgtttagct aatattctat gttaattaa 180
 tgaatactaa ctctaagaac cctcactga ttactcaat agcatcttaa gtgaaaaacc 240
 ttctattaca tgcaaaaaat cattgttttt aagataacaa aagtagggaa taaacaagct 300
 gaaccactt ttactggacc aaatgatcta ttatatgtgt accacttgta tgatttgga 360
 ttgcataag acctccctc tacaaactag attcatatct tgattcttgt acaggtgcct 420
 tttaacatga acaacaaaat acccacaac ttgtctactt ttgcc 465

<210> 44
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 44
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 acagttttta ttgaaaacta taaccatttt gataatgcaa caataaagca tcttcagcca 180
 aacatctagt ctccataga ccatgcattg cagtgtacc agaactgttt agctaattatt 240

ctatgtttaa ttaatgaata ctaactctaa gaaccctca ctgattcact caatagcatc 300
 ttaagtgaac aaccttctat tacatgcaaa aaatcattgt tttaagata acaaaagtag 360
 ggaataaaca agctgaaccc acttttactg gaccaaata tctattatat gtgtaaccac 420
 ttgtatgatt tggatattgc ataagacctt cctctacaa actagattca tatcttgatt 480
 cttgtacagg tgccttttaa catgaa 506

<210> 45
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 45
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 tgggtgggata ggaagccttt aaggctctct gcttctcatg ggtgggctac aaggagcagc 180
 agccatcgtg gcaggcttgt gatcttttc ctgctgacac ctgctacttg acatggagaa 240
 gttctgcaca gaaagcagtg gcacacctca tgagggtgta ctgggggcag acactgagag 300
 cattgtaac gtcttttgta tcaatctctc taaagtagac caccacgtat ttgtgcagat 360
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 agttctc 427

<210> 46
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (434)..(434)
 <223> a or g or c or t/u

<400> 46
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gcataaata gaaggtttt cacttaagat gctattgagt gaacagtgga ggggttctta 120
gagtagtat tcattaatta aacatagaat attagctaaa cagttctggg tacactgcaa 180
tgcatgggtct atggaagact agatgtttgg ctgaagatgc tttattgttg cattatcaaa 240
atggttacag tttcaatta aagctgtaat tgatttctat gtataaaaca gctttgaagt 300
tgtaaatgta gtttccaatc gttagtaat gctacattag ttagcaatat ttgaaaattt 360
tattggtata aaatgtttta attactaagg ctgtttgtag gctgcatagt aagcttcagg 420
atcatcacac gtntttccc tgtaattggt gggataggaa gccttta 467

<210> 47
<211> 420
<212> DNA
<213> Homo sapiens

<400> 47
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aagcctttaa ggtctcttgc ttctcatggg tgggctacaa ggagcagcag ccatcgtggc 180
aggcttgtga tcttttctt gctgacacct gctacttgac atggagaagt tctgcacaga 240
aagcagtggc atccttcatt aggtggtact tggggcagac actgagagca ttgtaactgt 300
ctttgtatc aatctctcta aagtagacca ccacgtattt gtgcagatga atctggcttc 360
ttagatcact gcagaaaagg ttaaaggcaa gggggaagag gtcttgagag ttctcactgg 420

<210> 48
<211> 434
<212> DNA
<213> Homo sapiens

<400> 48
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taattgattt ctatgtataa aacagctttg aagttgtaaa ttagtttcc aatcgttagt 120

taatgctaca ttagttagca atatttgaaa attttattgg tataaaatgt ttttaattact 180
 aaggctgttt gtaggccttc atagaagctt caggatcatc acacgtttt tccttgaat 240
 tggtagggata ggaagccttt aaggctcctt gcttctcatg ggtgggctac aaggagcagc 300
 agccatcgtg gcaggcttgc gatcttttc ctgctgacac ctgctgcttg acatggagaa 360
 gttctgcaca gaaagcagtg gcatccttca tgaggtggta ctgggggcag aactgagag 420
 cattgtaac gtct 434

<210> 49
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 49
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 gataggaagc cttaaggctc tcttgcttct catgggtggg ctacaaggag cagcagccat 180
 cgtggcaggc ttgtgatctt tttcctgctg acacctgcta ctgacatgg agaagttctg 240
 cacagaaagc agtggcatcc ttcagaggt ggtacttggg gcagacactg agagcattgt 300
 aatcgtcttt tgcataatc tctctaaagt agaccaccac gtatttgtgc agatgaatct 360
 ggcttcttag atcactgcag aaaagggtta aggcaagggg gaagaggtct tgagag 416

<210> 50
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 50
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 gtaattgatt tctatgata aaacagcttt gaagttgtaa atgtagtttc caatcgtag 120
 ttaatgctac attagttagc aatatttgaa aattttattg gtataaatg ttttaattac 180

taaggctgtt ttaggctgc atagtaagct tcaggatcat cacacgtttt ttcctgtaa 240
 ttggtgggat aggaagcctt taaggctctt tgcttctcat ggggtgggcta caaggagcag 300
 cagccatcgt ggcaggcttg tgatctttt cctgctgaca cctgctgctt gacatggaga 360
 agttctgcac agaaagcagt ggcacccctc atgaggtggt acttggggca gaca 414

<210> 51
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 51
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 gctgtaattg atttctatgt ataaaacagc ttgaagtg taaatgtagt ttccaatcgt 120
 tagttaatgc tacattagt agcaatattt gaaaatttta ttggtataaa atgtttta 180
 tactaaggct gttttaggc tgcatagtaa gcttcaggat catcacacgt ttttcctg 240
 taattggtgg gataggaagc cttaaggtc tctgcttct catgggtggg ctacaaggag 300
 cagcagccat cgtggcaggc ttgtgatctt ttcctgctg acacctgctg cttgacatgg 360
 agaagtctg cacagaaagc agtggcatcc tcatgaggt ggtacttg 409

<210> 52
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 52
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 agtcttccat agaccatgca ttgcagtga ccagaactg tttagctaatt attctatgt 180
 taattaatga atactaact taagaacccc tactgattc actcaatagc atcttaagt 240
 aaaaaccttc tattacatgc aaaaaatcat tgttttaag ataacaaaag tagggaataa 300

acaagctgaa cccactttta ctggacaaaa tgatctatta tatgtgtaac cacttgatg 360

atttgattt gcataagacc ttcctctac aaactagatt catatcttga ttct 414

<210> 53

<211> 414

<212> DNA

<213> Homo sapiens

<400> 53

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gtcttcata gaccatgcat tgcagtgtac ccagaactgt ttagctaata ttctatgtt 180

aattaatgaa tactaactct aagaaccct cactgattca ctcaatagca tcttaagtga 240

aaaaccttct attacatgca aaaaatcatt gttttaaga taacaaaagt agggaataaa 300

caagctgaac ccacttttac tggaccaaat gatctattat atgtgtaacc acttgatga 360

tttggtattt gcataagacc ttcctctac aaactagatt catatcttga ttct 414

<210> 54

<211> 484

<212> DNA

<213> Homo sapiens

<400> 54

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gtttgtaggc tgcataagaa gcttcaggat catcacacgt ttttcctg taattggtgg 120

gataggaagc cttaaggtc tcttgcttct catgggtggg ctacaaggag cagcagccat 180

cgtggcaggc ttgtgatctt ttctctgctg acacctgcta ctgacatgg agaagtctg 240

cacagaaagc agtggcatcc ttcatgaggt ggtacttggg gcagacactg agagcattgt 300

aatgctctt tgatcaatc tctctaaagt agaccaccac gtatttgtgc agatgaatct 360

ggcttcttag atcactgcag aaaagggtta aggcaagggg gaagaggtct tgagagtct 420

cactgggact gccctcgctc ttgccacagg taccatcgca cacactgttg acgtcattgg 480

aaag 484

<210> 55

<211> 398

<212> DNA

<213> Homo sapiens

<400> 55

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atgctacatt agttagcaat atttgaaaat ttattggta taaaatgtt taattactaa 180

ggctgtttgt aggctgcata gtaagcttca ggatcatcac acgtttttc cctgtaattg 240

gtgggatagg aagcctttaa ggtctcttgc ttctcatggg tgggctacaa ggagcagcag 300

ccatcgtggc aggccttgta tcttttcct gctgacacct gctgcttgac atggagaagt 360

tctgcacaga aagcagtggc atccttcacg aggtggta 398

<210> 56

<211> 401

<212> DNA

<213> Homo sapiens

<400> 56

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taattgatt ctatgtataa aacagctttg aagttgtaaa tgtagttcc aatcgtagt 120

taatgctaca ttagttagca atattgaaa atttattgg tataaaatgt tttaattact 180

aaggctgtt gtaggctgca tagtaagctt caggatcatc acacgtttt tcctgtaat 240

tggtgggata ggaagccttt aaggctctt gcttctcatg ggtgggctac aaggagcagc 300

agccatcgtg gcaggcttgt gatcttttc ctgctgacac ctgctgctg acatggagaa 360

gttctgcaca gaaagcagtg gcaccttca tgaggtggta c 401

<210> 57
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (228)..(228)
<223> a or g or c or t/u

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aaggctgttt gtaggctgca tagtaagctt caggatcatc acacgttntt tccctgtaat 240
tggtgggata ggaagccttt aaggtctctt gcttctcatg ggtgggctac aaggagcagc 300
agccatcgtg gcaggcttgt gatcttttc ctgctgacac ctgctgcttg acatggagaa 360
gttctgcaca gaaagcagtg gcatccttca tg 392

<210> 58
<211> 386
<212> DNA
<213> Homo sapiens

<400> 58
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gttaatgcta cattagtag caatattga aaattttatt ggtataaaat gtttaatta 180
ctaaggctgt tttaggctg catagtaagc tcaggatca tcacagttt ttccctgta 240
attggtggga taggaagcct ttaaggtctc ttgcttctca tgggtgggct acaaggagca 300
gcagccatcg tggcagcttg gtgatctttt tctgctgac acctgctgct tgacatgaag 360

aagttctgca cagaaagcag tggcat 386

<210> 59

<211> 386

<212> DNA

<213> Homo sapiens

<400> 59

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gttaatgcta cattagttag caatattga aaattttatt ggtataaaat gttttaatta 180

ctaaggctgt tttaggctg catagtaagc ttcaggatca tcacacgtt tttccctgta 240

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<210> 60

<211> 386

<212> DNA

<213> Homo sapiens

<400> 60

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tgtaattgat ttctatgat aaaacagctt tgaagttgta aatgtagtt ccaatcgta 120

gttaatgcta cattagttag caatattga aaattttatt ggtataaaat gttttaatta 180

ctaaggctgt tttaggctg catagtaagc ttcaggatca tcacacgtt tttccctgta 240

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gcagccatcg tggcaggctt gtgatcttt tctgctgac acctgctgct tgacatggag 360

aagttctgca cagaaagcag tggcat 386

<210> 61
<211> 373
<212> DNA
<213> Homo sapiens

<400> 61
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atgctacatt agtttagcaat atttgaaaat tttattggta taaaatgttt taattactaa 180
ggctgtttgt aggctgcata gtaagcttca ggatcatcac acgttttttc cctgtaattg 240
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ccatcgtggc aggcttgtga tcttttctct gctgacacct gctgcttgac atggagaagt 360
tctgcacaga aag 373

<210> 62
<211> 403
<212> DNA
<213> Homo sapiens

<400> 62
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agttaatgct acattagtta gcaatatttg aaaattttat tggataaaaa tgttttaatt 180
actaaggctg ttgtaggct gcatagtaag cttcaggatc atcacacgtt tttccctgt 240
tattggtggg ataggaagcc ttaaggctct cttgcttctc atgggtgggc tacaaggagc 300
agcagccatc gtggcaggct tgtgatcttt ttctgctga cacctgctgc ttgacatgga 360
gaagttctgc acaaaaagca gtggcatcct tcatgaggtg gta 403

<210> 63
<211> 457
<212> DNA

<213> Homo sapiens

<400> 63

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tttaaggctc ttgcttctc atgggtgtggg ctacaaggag cagcagccat cgtggcaggc 180
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tgtatcaatc tctctaaagt agaccaccac gtatttgtgc agatgaatct ggcttcttag 360
atcactgcag aaaagggttaa aggcaagggg gaagaggtct tgagagttct cactgggact 420
gccctcgctc ttgccacagg taccatcgca cacactg 457

<210> 64

<211> 365

<212> DNA

<213> Homo sapiens

<400> 64

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catagaccat gcattgcagt gtaccagaa ctgttagct aatattctat gttaattaa 180
tgaatactaa ctctaagaac ccctcactga ttactcaat agcatcttaa gtgaaaaacc 240
ttctattaca tgcaaaaaat cattgttttt aagataacaa aagtagggaa taaacaagct 300
gaaccactt ttactggacc aatgatcta ttatatgtgt aaccacttgt atgatttgg 360
atttg 365

<210> 65

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (277)..(277)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (322)..(322)

<223> a or g or c or t/u

<400> 65

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gttaatgcta cattagttag caatattga aaattttatt ggtataaaat gttttaatta 180

ctaaggctgt tttaggctg catagtaagc ttaaggccca tcacagttt ttccctgta 240

attggtggga taggaagcct ttaaggtctc ttgcttntca tgggtgggct acaaggagca 300

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<210> 66

<211> 413

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)..(1)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (264)..(264)

<223> a or g or c or t/u

<400> 66

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aacgtgtaca aagtttaggt tcagaccccg ggagtcttgg gcacgtgggt ctcgggtcac 180
 tggttttgac tttagggctt tgttacagat gtgtgaccaa ggggaaaatg tgcatagaaa 240
 cactagaggt atgggcgaca cganaacgaa cgggaagttt tggctgaagt aggagtcttg 300
 gtgagatttt gctctgatgc atggtgtgaa ctttctgagc ctcttgttt tcctcaagct 360
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 <212> DNA
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 ccttaaggt ctcttgcttc tcattgggtgg gctacaagga gcagcagcca tcgtggcagg 180
 ctgtgatct tttcctgct gacacctgct gcttgacatg gagaagttct gcacagaaag 240
 cagtggcatc cttcatgagg tggacttgg ggcagacact gagagcattg taatcgtctt 300
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 gatcactgca gaaaaggta aaggcaaggg ggga 394

<210> 68
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 68
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 ctttaaggct tcttgcttct catgggtggg ctacaaggag cagcagccat cgtggcaggc 180
 ttgtgatctt tttcctgctg acacctgctg cttgacatgg agaagttctg cacagaaagc 240

agtggcatcc ttcatgaggt ggtacttggg gcagacactg agagcattgt aatcgtcttt 300

tgtatcaatc tctctaaagt agaccaccac gtatttgtgc agatgaatct ggcttcttag 360

atcactgcag aaaagggttaa aggcaagggg gaagaggtct tgagagttct cactgggact 420

gccctcgctc ttgccac 437

<210> 69

<211> 321

<212> DNA

<213> Homo sapiens

<400> 69

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ggataggaag cctttaaggt ctcttgcttc tcatgggtgg gctacaagga gcagcagcca 180

tcgtggcagg cttgtgatct ttttctgct gacacctgct gcttgacatg gagaagttct 240

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<210> 70

<211> 321

<212> DNA

<213> Homo sapiens

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ggataggaag cctttaaggt ctcttgcttc tcatgggtgg gctacaagga gcagcagcca 180

tcgtggcagg cttgtgatct ttttctgct gacacctgct gcttgacatg gagaagttct 240

gcacaaaaag cagtggcatc cttcatgagg tggacttgg ggcagacact gagagcattg 300

taatcgtctt ttgtatcaat c 321

<210> 71
<211> 314
<212> DNA
<213> Homo sapiens

<400> 71
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cagaactgtt tagctaatat tctatgttta attaatgaat actaactcta agaaccctc 180
actgattcac tcaatagcat ctttaagtga aaaccttcta ttacatgcaa aaaatcattg 240
ttttaagat aacaaaagta gggaataaac aagctgaacc cacttttact ggaccaaag 300
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<211> 286
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atgctacatt agtttagcaat atttgaaaat ttattggta taaatgttt taattactaa 180
ggctgtttgt aggctgcata gtaagcttca ggatcatcac acgtttttc cctgtatgg 240
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<210> 73
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<212> DNA
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<223> a or g or c or t/u

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atncaactnct ttctgtgcag actnnncatg tcaagcagca ggtgtcagca ggaaaaagan 180

cacaagctcc ncgatggctg ctgctccttg tagcccncca tgagaagcaa gagncttaaa 240

ggcttctat cccaccaatt acagggaaaa acgtgtgatg acctgagctt actatgcagc 300

ctacaancag ccttagtaat taaacnttt att 333

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

<400> 74

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taatgctaca ttggttagca atatttgaaa attttattgg nataaaatgt ttttaattact 180

aaggctgttt gtaggctgca tagtaagctt caggatcatc acacgtttt nccctgtaat 240

tgggtgggga tagggaagcc cttaagggt ctcttgcttc tcatggggtg gggcctacna 300

aggagagcagc cagcccatcg tggccagggc cttgtgganc cttttccct gcctggacac 360

cctgcctgcc ttggaccatg gggaggaagg ttctggcacc aggaaagcca ggtggcccat 420

ccctccatg aggggtgggt acttnggggg gccaggacca ctgaggngcc attggtaatc 480

cgctcttttn gtatccaatc cctcctaag gtaggncccc cc 522

<210> 75

<211> 277

<212> DNA

<213> Homo sapiens

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catgtaatag aaggttttc acttaagatg ctattgagtg aatcagtgag gggttcttag 120
 agttagtatt cathtaattaa acatagaata ttagctaaac agttctgggt acactgcaat 180
 gcatggtcta tggaagacta gatgtttggc tgaagatgct tttattgttg cattatcaan 240
 atggtttata gttttcaatt aaaactgtaa ttgattt 277

<210> 76
 <211> 265
 <212> DNA
 <213> Homo sapiens

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 <223> a or g or c or t/u

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<222> (250)..(250)
 <223> a or g or c or t/u

<400> 76
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 attgatttct atgtataaaa cagctttgaa gttgtaaag tagtttccaa tcgtagtta 120
 atgctacatt agttagcaat atttgaaaat tttattggta taaaatgttt taattactaa 180
 ggctgtttgt aggctgcata gtaagcttaa ngatcatacn cacgttttc cctgaatttg 240
 gtgggataan gaagccttta aaggt 265

<210> 77
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 <212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

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tctcttgctt ctcatgggtg ggctacaagg agcagcagcc atcgtggcag gcttgtgatc 180

ttttcctgc tgacacctgc tgcttgacat ggagaagttc tgcacagaaa gcagtggcat 240

ccttcatgag gtgggtacttg gggcagacac tgagagcatt gtaatcgtct ttgtatcaa 300

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<210> 78

<211> 452

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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ttcagtgggtg attccagtga ctggggatag tgaagggtgt acggtgcagc tgactccata 120
tttctctact tgtggcagcg actgcatccg acataaagga acagttgtgc tctgcccaca 180
aacaggcgtc cctttccctc tggataacaa caaaagcaag ccggganggn ctgncctctc 240
ctcctgtctgt ctctgtgtgt ggccacatgg gtgctggtgg cagggatcta tctaatgtgg 300
aggcacgaaa ggatcaagaa gacttccttt tctaaccacc acattactgc cccccattta 360
aggttcttgt ggttttacc atctggaaat atgttttccc ttcacacatt tgtttatttc 420
attgatttnt tcaaaacct tggcaggagt tt 452

<210> 79
<211> 465
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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<222> (449)..(449)

<223> a or g or c or t/u

<400> 79

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ttccaatgac gtcaacagtg tgtgcgatgg tacctgtggc aagagcgagg gcagtcccag 120

tgagaactct caagacctct tcccccttgc cttaacctt ttctgcagtg atctaagaag 180

ccagattcat ctgcacaaat acgtgggtgg ctactttaga gagattgata caaaagacga 240

ttacaatgct ctcagtgtct gcccgaagta ccacctcatg aaggatgcca ctgctttctg 300

tgcagaactt ctccatgtca agcagcaggt gtcagcagga aaaagattca caagcctgcc 360

acgatggctg cttgcttctt tttagccca cccatgagga agncaagaga ccttnaaagg 420

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<210> 80

<211> 440

<212> DNA

<213> Homo sapiens

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aaaactgtaa ttgattncta tgtataaaac agctttgaag ttgtaatgt agtttccaat 120
 cgtagttaa tgctacatta gtagcaata ttgaaaatt ttattggtat aaaangtttt 180
 aattactaag gctgtttgta ggctgcatag taagcttcag gatcatcaca cgttttccc 240
 ctgtaattgg tgggatagga agcctttaag gtctctngct tctcatgggt gggctacaag 300
 gagcagcagc catcgtggca ggcttgtgan ctttncctg ctgacacctg ctgcttgaca 360
 tgggagaagt tctgcacaga aaggcagtgg gcacacctca tgaggtgggt acttgggggn 420
 cagacactga ggagcattgt 440

<210> 81
 <211> 641
 <212> DNA
 <213> Homo sapiens

<400> 81
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 ccccttgctt ttaacctttt ctgcagtgtat ctaagaagcc agattcatct gcacaaatac 180
 gtggtggctt actttagaga gattgataca aaagacgatt acagtgtctt cagtgtctgc 240
 cccaagtacc acctcatgaa ggatgccact gctttctgtg cagaacttct ccatgtcaag 300
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 ttataccaa taaaattttc aaatatgcta actaatgtag cattaactaa cgattggaaa 540
 ctacatttac aactcaaag ctgtttata catagaaac aattacagct ttaattgaaa 600
 actgtaacca ttttgataat gcaacaataa agcatcttca g 641

<210> 82
 <211> 468

<212> DNA
<213> Homo sapiens

<400> 82

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ccaatgacgt caacagtgtg tgcgatggta cctgtggcaa gagcgagggc agtcccagtg 120

agaactctca agacctcttc ccccttgctt ttaacctttt ctgcagtgat ctaagaagcc 180

agattcatct gcacaaatac gtgggtgtct actttagaga gattgataca aaagacgatt 240

acagtgtctc cagtgtctgc cccaagtacc acctcatgaa ggatgccact gctttctgtg 300

cagaacttct ccatgtcaag cagcaggtgt cagcaggaaa aagatcacia gcctgccacg 360

atggccgctg ctcctttag cccacccatg agaagcaaga gaccttaaag gcttcctatc 420

ccaccaatta caggggaaaa aacgtgtgat gatcctgaag ctactat 468

<210> 83
<211> 507
<212> DNA
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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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agcaatattt gaaaatttta ttggtataaa atgttttaac tactaaggct gtttgtaggc 180

tgcatagtaa gcttcaggat catcacacgt ttttncctg taattgggtg gggataggga 240

agcctttaag gtctcttgct tctcatgggg tggggctaca agggaggcag gcagccatcg 300

tgggcagggc ttgtgatctt ttccctgct gacacctgct gcttgacatg gggggaaggt 360
 tctggcacag aaagcagtgg gcacccctca tgagggtggt acttgggggg cagacactga 420
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<210> 84
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 <223> a or g or c or t/u

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 <223> a or g or c or t/u

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<223> a or g or c or t/u

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gagaactctc aagacctctt ccccttgcc ttaaccttt tctgcagtga tctaagaagc 180

cagattcatc tgcacaaata cgtgggtggc tactttagag agattgatac aaaagacgat 240

tacaatgctc tcagtgtctg cccaagtac cacctcatga aggatgccac tgctttctgt 300

gcagaacttc tccatgtcaa gcagcaggtg tcagcaggaa aaagatcaca agcctgccac 360

gatngctgct gctccttgta gnccacccat gagaagcaag tgacctttaa aggnnttctt 420

attnccacn atttacaggg 440

<210> 85

<211> 630

<212> DNA

<213> Homo sapiens

<400> 85

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attaaaactg taattgattt ctatgtataa aacagctttg aagttgtaaa tgtagtttcc 120

aatcgtagt taatgctaca ttagttagca atattgaaa attttattgg tataaaatgt 180

tttaattact aaggctgttt gtaggctgca tagtaagctt caggatcatc acacgttttt 240

tcctgtaat tgggtgggata ggaagccttt aaggctcttt gcttctcatg ggtgggctac 300

aaggagcagc agccatcgtg gcaggcttgt gatcttttc ctgctgacac ctgctgcttg 360

acatggagaa gttctgcaca gaaagcagtg gcatccttca tgaggtggta cttggggcag 420

acactgagag cattgtaatc gtcttttgta tcaatctctc taaagtagac caccacgtat 480

ttgtgcagat gaatctggct tcttagatca ctgcagaaaa ggttaaaggc aagggggaag 540

aggtcttgag agttctcact gggactgccc tcgctcttgc cacaggtacc atcgcacaca 600

ctgttgacgt cattggaaaa gaaggaagac 630

<210> 86

<211> 788

<212> DNA

<213> Homo sapiens

<400> 86

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actggacca tctctgctat tttcttttc tgccactttt caaggatgac ctcacttctg 180

caatggtttt gaagaaattc agtgaagtaa caaattgtgt gatggaaaca tatttcagat 240

gggtaaacca caagaacctt aatggggggc agtagtgtgg tggtagaaaa ggaagtcttc 300

ttgatccttt ctgtgagagg agaaaagcat ttgttatctg tgaatagcaa acagcaggct 360

ttcactctgt aaaccatccc tgacaaatga tcccttgcta gagaatgtca gctgagcacc 420

aagggccttg ttagtgacag caaggaaaaa catcctgatg ttcttttga acacatcacc 480

tgaaacacac tgatgcttaa accttaactt ttttttttg ggggacatag tctcactctg 540

tcgcccaggc tggagtgcgt gggagaggac ctcggaaga ctggcaagca tccgcataca 600

agggagtaac agcacaatac tccgtgaact tcggagccct ccaaaggaat actcaagggc 660

gggtaaagga tggcaagggt cgacggagag ccacagga gagcggaagg tagagaggag 720

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aacagaag 788

<210> 87

<211> 307

<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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gacgattaca atgctctcag tgtctgcccc aagtaccacc tcatgaagga tgccactgct 120
ttctgtgcag aacttctcca tgtcaagcag caggtgtcag caggaaaaag atcacaagcc 180
tgccacgatg gctgctgctc cttgtagccc acctatgaga agcaagagac cttaaaggct 240
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cagccnt 307

<210> 88
<211> 335
<212> DNA
<213> Homo sapiens

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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gttaatgcta cattagttag caatattga aaattttatt ggtataaaat gttttaatta 180
ctaaggctgt tttaggctg catagtaagc ttcaggatca tcacacgttt ttccctgta 240
attgggtggg ataggaagcc tttaaggtct ctgcttctc attgggtggg ctacaaggag 300
cagcagccat cctgnggcaa ggctttgtgg atnct 335

<210> 89
<211> 639
<212> DNA
<213> Homo sapiens

<400> 89
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tctgctattt tctttattct gccactttc aaggatgacc tcacttctgc aatggttttg 180
aagaaagttc agtgaagtaa caaattgtgt gatggaaaca tattcagat gggtaaacca 240
caagaacctt aatggggggc agtagtgtgg tggtagaaaa ggaagtcttc ttgaccttt 300
ctgtgagagg agaaaagcat tagttatctg tgaacagcaa acagcaggca tttcacatct 360
gtaaaccatc cctgacaaat gatcccttgc tagagaatgt cagctgagca ccaagggggc 420

ttgttagtga cagcaaggac aaaacatcct gatgttcctt ttgaacacat cagctgaaac 480
 aactgatgc tctaaaccgt taactattta ttaatggggg aacatagggtc tcaactcatg 540
 tacgaccagg ctggagtgca gtgggggtga acatcgacag acatagcaaa ccaccgatca 600
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<210> 90
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> a or g or c or t/u

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 gggttaaaggc aagggggaag aggtcttgag agttctcact gggactgccc tcgctcttgc 180
 cacaggtacc atgcacaca ctgttgacgt cattggaaag aaggaagacg actttgtctg 240
 ctgccttctt ttgagtggca agccactgca ctggacccat ctctgctatt ttcttttct 300
 gccacttttc aaggatgacc tcacttctgc aatggttttg aagaaattca gtgaagtaac 360
 aaatntgtgt gatggaaaca tatttcagat gggtaaacca caagaacctt aatggggggc 420
 agtagtgtgg tggtagaaaa ggaagtcttc ttgaccttt ctgtgagagg agaaagc 477

<210> 91
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 91
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tatgtgttaa ttggctgttt atgttattgg taagacttcc agtcaacagt aggctattag 180
aagttaagtt gtgggaaaat caaagggttat aggagatttt caactgcatg cagggccggt 240
gccctcccca ctgtgttgtt caagggtcag ctgtactctc taagggtttt gctaactca 300
aaacatggag tatttgaata cagaaaccag agcatttaca tactcagctc aaggcagagc 360
tattaaaaaa actcctcttc tccatatgta ggaaaggaaa taaaaatgca tcctttgagt 420
catttgtgat gt 432

<210> 92
<211> 316
<212> DNA
<213> Homo sapiens

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<223> a or g or c or t/u

<220>
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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

<220>

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<223> a or g or c or t/u

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<222> (289)..(289)

<223> a or g or c or t/u

<400> 92

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gcagggatct atctaagtgn gaggcacgaa agggatcaag aggacttct tttctaccac 180

cacactactg cccccatta aggttctgt nggtttacc atctggaaat atgttccat 240

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<210> 93

<211> 401

<212> DNA

<213> Homo sapiens

<220>

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<222> (274)..(274)

<223> a or g or c or t/u

<400> 93

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atattcaga tgggtaaacc acaagaacct taatgggggg cagtagtgtg gtgtagaaa 120

aggaagtctt ctgtatcctt tcgtgcctcc acattagata gatccctgcc accagcacc 180

atgtggccac cagcagagac agcaggagga gaggcagcca gcctccggc ttgcttttg 240

ttgttatcca gaggggaaag gggacgcctg ttntggggc agagcacaac tgttccctc 300

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taaatttcgg taattcatgg tcataggctt gttttccccc g

401

<210> 94
<211> 516
<212> DNA
<213> Homo sapiens

<220>
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<222> (400)..(400)
<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (462)..(462)
<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (483)..(483)
<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (509)..(509)
<223> a or g or c or t/u

<400> 94
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cagttcttca cctaacagca tattgtcttt ataactggta gagctgtttc aaaggaagtt 120

ggtttctggt ccaagttttg acctaaacca tgtccatctt ctattaccag cacttacaag 180

cactgtgaaa actgatcatg acaataagt aaaatttgct acattaaaca tattgcctca 240

gccattacta agcgtccact tgtaaagctg gacacagttt ttactttatg cttcattttg 300

attttttatc cgtaagacat aaattagaag gcatgagggt gccctttaag gataatctgc 360

aaatatacac attttaaata gtcattccatc tggaaatcgn tccaccattc cagggaagg 420

attccaggta ttggtgctgt ggtggaaata aagcattccc cngggaaaaa aaccatttta 480

tgncataata attaccacca ttaacctcnt ggggtt 516

<210> 95
<211> 187
<212> DNA
<213> Homo sapiens

<400> 95
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tctattacat gcaaaaaatc attgttttta agataacaaa agtagggaat aaacaagctg 120
aaccacttt tactggacca aatgatctat tatatgtgta accacttgta tgattggga 180
tttgcatt 187

<210> 96
<211> 156
<212> DNA
<213> Homo sapiens

<400> 96
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tataaccatt ttgataatgc aacaataaag catcttcagc caaacatcta gtcttcata 120
gaccatgcat tgcagtgtac ccagaactgt ttagct 156

<210> 97
<211> 491
<212> DNA
<213> Homo sapiens

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<222> (478)..(478)
<223> a or g or c or t/u

<220>
<221> misc_feature

<222> (491)..(491)

<223> a or g or c or t/u

<400> 97

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ggtgtgagcc acggcgcctg gcctaaaagc atcttttct ttaacgcaga gggtatgttg 120

tattattagc ataaatgttt tttctggga atgcttattt cacacagcac aatactgaat 180

cttctctgga atgtggatcg attcagatg gatgactatt aaaatgtgta tatttcaga 240

ttatccttaa agggccacct catgccttct aatttatgtc ttacggataa aaaatcaaaa 300

tgaagcataa agtaaaaact gtgtccagct ttacaagtg acgcttagta atggctgagg 360

caatatgttt aatgtagcca aattttactt attgtccat gatccagttt ttacagtgc 420

ttgttaagtg ctggttaatta ggaaggtggg acatgggtta ggtcaaaact tgggaccnga 480

aaccaacttg n

491

<210> 98

<211> 270

<212> DNA

<213> Homo sapiens

<400> 98

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aaactataac catttgata atgcaacaat aaagcatctt cagccaaaca tctagtcttc 120

catagaccat gcattgcatt gtaccagaa ctgttttagct aatattctat gttaattaa 180

tgaatactaa ctctaagaac ccctcactga ttactcaat agcatcttaa gtgaaaaacc 240

ttctattaca tgcaaaaaat cattggtttt

270

<210> 99

<211> 478

<212> DNA

<213> Homo sapiens

<400> 99

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 tacacagaag ggaaaaaat acacagtga aatggatgt tctgagtgcc acaaggatct 120
 gctgaaaaa gccaaagatg taagatggct gggtatatat gagaatgaat atttactat 180
 attctgattc aattaccagt ctacgtggcc caggatgagc ttttgggtg gtcacatggc 240
 caacatttgg ataacaaatg aggaataatg gtaccgctc actagtcct gagaacagca 300
 tgttctggaa aatgtctctg gagttagaga tgtgttagct tttcattac agatggagaa 360
 atacaatgtt tacacaacag tccaggggtg ggggtcaaaag ttggaagggtg tcattagacg 420
 cagccaaata aagtgaagac aaccaggtg actggcagcc ctgacttggtg cgtgggagc 478

<210> 100
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 100
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 acacagaagg gaaaaaata cacagtgcaa aatggatgtt ctgagtgccca caaggatctg 120
 ctgaaaaaag ccaaagatgt aagatggctg ggtatatatg agaatgaata ttactata 180
 ttctgattca attaccagtc tcagtggccc aggatgagct ttggtggtgg tcacatggcc 240
 aacatttggg taacaaatga gga 263

<210> 101
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 101
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 tgccaaagtg ctgggattgg aggcatgagc cactgcaccc acccctgttt tttttaag 120
 taaaccatta taataactca ttataaaaa gggtacttca agagggttt caacttaaga 180

attattttca ttttgaacat gaaaagttaa atagtaacta agaaactgag aactctgaca 240
 gtgacctcta ataggtaact ttaggcaaaa gtagacaagt ttgtgggtat tttgtgttc 300
 atgttaaaag gcacctgtac aagaatcaag atatgaatct agttttaga gggaaggctc 360
 tatgcaaata ccaaatcata caagtggc 388

<210> 102
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 102
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 ttgcaaagt gctgggattg gaggcattg ccactgcacc caccctgtt ttttttaa 120
 gtaaaccatt ataataactc attataaaa aggttacttc aagagggctt tcaacttaag 180
 aattatttc atttgaaca tgaaggtta aatagtaact aagaaactga gaactctgac 240
 agtgacctct aataggtaac ttaggcaaa agtagacaag ttgtgggta tttgtgtt 300
 catgttaaaa ggcacctgta caagaatcaa gatatgaatc tagttttag agggaaggctc 360
 ttatgcaaat accaatcat acaagtgggt acacatataa tagatcattt ggtccagtaa 420
 aagtgggttc agctgttta ttcctactt 450

<210> 103
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 103
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 gcaaagtgtc gggattggag gcatgagcac tgcaccacc cctgttttt ttttaagta 120
 aaccattata ataactcatt tataaaaagg ttactcaag ag 162

<210> 104
<211> 392
<212> DNA
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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<222> (378)..(378)
<223> a or g or c or t/u

<220>
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<222> (388)..(388)
<223> a or g or c or t/u

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aagataacaa aagtagggaa taaacaagct gaaccactt ttactggacc aaatgancta 120

ttatatgtat aaccacttgt atgatttggg attgcataa gaccttcct ctacaaacta 180

gattcatac ttgattcttg tacaggtgcc ttttaatat tctgtgatga aatcgtcac 240

agtcagagta catgtctgct gcatatggga aatagggact gtgttctga gggacaaggc 300

actcaattca gccgtaaagg ctgacccggg ctacttttt tccangggaa tacaatttt 360

ttaccttga ataaaatngg gcccgacngg ac 392

<210> 105
<211> 428
<212> DNA
<213> Homo sapiens

<400> 105

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caggatacac agaaggga aaaatacaca gtgcaaatg gatgttctga gtgccacaag 120

gatctgctga aaaaaagcca aagatgtaag atggctgggt atatatgaga atgaatattt 180

cactatattc tgattcaatt accagtctca gtggcccagg atgagctttt ggtgtggtca 240

catggccaac atttgataa caaatgagga ataatggtac cgcctcacta gtgcctgaga 300

acagcatgtt ctggaaaatg tctctggagt tagagatgtg ttagcttttt cattacagat 360

ggagaaatac aatgtttaca caacagtcca ggggtggggg caaaagtgg aaggtgtcat 420

tagacgca 428

<210> 106

<211> 430

<212> DNA

<213> Homo sapiens

<400> 106

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tagactagta tctgtataca tttctgcat ttatgacata ctttttctt cattttttc 120

aatattttaa ttgaaaagtt catccgagtt tcactaagt ttttcaaag tgatacaaat 180

ctccaaaaaa tttccaata tatgtattga aaaaatccag gtgtaagtgg ctctgcgcag 240

tccaaacctg tgttgttcaa ggggtcaactg tgtatgaatc caagcgaaag cttttcttaa 300

cacctcataa gaactatttt ttaaaaaaca ggaactagca tagagtaacc atcacaggta 360

aagtgttaatt tggatcagc catcttttgc ccatttcagt actggtagaa ggctcaatgg 420

taaaaataaa 430

<210> 107

<211> 368

<212> DNA

<213> Homo sapiens

<400> 107

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ctaccagtac tgaaatgggc aaaagatggc tgataacaaa ttacacttta cctgtgatgg 120

ttactctatg ctagttcctg tttttaaaa aatagttctt atgaggtgtt aagaaaagct 180

ttcgcttgga ttacatacaca gttgaccctt gaacaacaca ggtttgact gcgcagacca 240

cttacacctg gatttttca atacatatat tggaaaattt ttgggggatt tgtatcactt 300

tgaaaaaact tagatgaaac tcggatggac tttccatta aaatattgga aaaaatgaag 360

aaaaaggt 368

<210> 108

<211> 435

<212> DNA

<213> Homo sapiens

<400> 108

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ctaccagtac tgaaatgggc aaaagatggc tgataacaaa ttacacttta cctgggatgg 120

ttactctatg ctagttcctg tttttaaaa aatagttctt atgaggggtt aaaaaaagct 180

ttcgcttgga ttacatacaca gttgaccctt gaacaacaca ggtttgact gcgcagagcc 240

acttacacct ggatttttc aatacatata ttgaaaaatt ttttgagat ttgtatcact 300

ttgaaaaaac ttagatgaaa ctcggatgaa ctttcaatt aaaatattga aaaaaatgaa 360

gaaaaaggta tgtcataaat gcagaaaatg tatacagata ctagtctact ttatcatttc 420

ctaccatacc aatag 435

<210> 109

<211> 880

<212> DNA

<213> Homo sapiens

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<222> (788)..(788)

<223> a or g or c or t/u

<400> 109

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gtgcccagta acttcaacca gatgatcaaa gtggctcaca cacagtcact gccccccact 120

cagtatgtgg aagggtgtg tgtatgtggg cagtgaagg ggtcgtgcc tgtgtacact 180

gaactggggt gcagagaaag ccaacagtgc tgcccagag aacctagaat ctgagtaaga 240

acaggcttta ttgtaaaac cactcgtgac tctttacaaa gcaggataca cagaaggga 300

aaaaatacac agtgcaaaat ggatgttctg agtgccaca ggatctgctg aaaaaagcca 360

aagatgtaag atggctgggt atatatgaga atgaatattt cactatattc tgattcaatt 420

accagtctca gtggcccagg atgagctttt ggtgtggtca catggccaac atttgataa 480

caaatgagga ataatggtac cgctcacta gtgcctgaga acagcatgtt ctggaaaatg 540

tctctggagt tagagatgtg ttagctttt cattacagat ggagaaatac aatgtttaca 600

caacagtcca ggggtggggg taaaagtgt gaaggtgtca ttagacgcag ccaaataaag 660

tgaagaccac ccaggtgact ggcagccctg acttgtcgt gggcgaaacc ttacagattc 720

ctggggcact ctgtgcctga acttacctgg atggtctttg tgaggcgggt gggcacttat 780

cctccatnaa tggtcagtct aacaagaccg gcctgtaaaa atggcatcta ataggggcta 840

tggaatggaa aacagttggt accagaaat aactttaatt 880

<210> 110

<211> 437

<212> DNA

<213> Homo sapiens

<220>

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<222> (34)..(34)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (192)..(192)

<223> a or g or c or t/u

<400> 110

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cttctaggca cctgcttcg ccatctcact taccatggct agagatgggg gtgagactgg 120

ggaaggacaa aagcagggaa cagataaggg atggaaatca gaagggaata tagaaagaac 180

tctggatatg cnagaaatgc cggtaacctga gcattttgta tcaatgggag taccctctgt 240

aactgctcag taggttacaa atgaagagtc caccagtatt agaaacaatt taaacttgcc 300

agtaccaact gggatgtgtg ccttcaattt gaaaattgta tgttttattt tttaaatttg 360

gttaacagca ttaattata gagtatttga tgcatttat ggttcccgag gtgtttccaa 420

cacaattttt gggatca 437

<210> 111

<211> 1107

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (893)..(893)

<223> a or g or c or t/u

<400> 111

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ttgaaaagtt catccgagtt tcatctaagt ttttcaaag tgatacaaat ctccaaaaaa 180

ttttccaata tatgtattga aaaaatccag gtgtaagtgg ctctgcgag tccaaacctg 240

tggtgttcaa gggtaactg tgtatgaatc caagcgaaag cttttcttaa cacctcataa 300

gaactatttt taaaaaaca ggaactagca tagagtaacc atcacaggta aagtgttaatt 360

tgttatcagc catcttttgc ccatttcagt actggtagaa ggctcaatgg taaaaataaa 420
 aacgggacag tcagaagatc tggaagtcct gaccctgctt tcacctggca tgtgtaatcc 480
 agtcatgctc gtatcagtct ctgtaggagc acttgaaggt attacataaa tgctatctaa 540
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 aatgttattt ccttactagg atgtctttaa agaattataa cccttaccgt gcctccacat 660
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 atctaattct tttccccca aaagggg 1107

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 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 112
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 tgccacaagg atctgctgaa aaaagccaaa gatgtaagat ggctgggtat atatgagaat 180
 gaatatttca ctatattctg attcaattac cagtctcagt ggcccaggat gagcttttgg 240
 tgtggtcaca tggccaacat ttggataaca aatgaggaat aatctcgtgc 290

<210> 113
<211> 812
<212> DNA
<213> Homo sapiens

<400> 113
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gctgcctgtt tgcaaaaaca taatatattt ctgttaaaca gtcttcacc taacagcata 120

ttgtcttat aactggtaga gctgtttcaa aggaagttgg ttctgtgcc aagtttgac 180

ctaaaccatg tccatcttct attaccagca ctacaagca ctgtgaaaac tgatcatgac 240

aaataagtaa aattgtctac attaaacata ttgcctcagc cattactaag cgtccactg 300

taaagctgga cacagttttt actttatgct tcattttgat ttttatccg taagacataa 360

attagaaggc atgaggtggc cctttaagga taatctgcaa atatacat ttaatatgc 420

atccatctga aatcgatcca cattccagag aagattcagt attgtgctgt gtgaaataag 480

cattccaga aaaaaaacat ttatgctaata aatacaacat aacctctgca ttaaagaaaa 540

agatgctttt aggccaggcg ccgtggctca cgcctgtaat ccctgcactt tgagaggctg 600

agggtgggtgg atcatgaggt caggagatca agaccatcct ggctaacagg gtgaaacccc 660

gtctctactg gggatataac aaagttagct ggggtgtggtg gtgggtgctt gtggtcccag 720

ctactcagga ggctgaggca ggagaatggc gtgaaccggg aaggcagagg ttgtagtgac 780

gcgaggttca cgccactgca ttccagtctg gg 812

<210> 114
<211> 679
<212> DNA
<213> Homo sapiens

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<223> a or g or c or t/u

<400> 114

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 tattctgggt acaactgctt acatacatag cacatataga tgacattttt acaggccgctc 180
 ttgttagact gacatacatg gaggatagtg ccacccgcct cacaagaaca tcaggtaagc 240
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 gtcacctggg ttgtcttcac tttatttggc tgcgtctaata gacaccttc aacttttgac 360
 cccacccctg gactgttgtg taaacattgt atttctccat ctgtaatgaa aaagtaaca 420
 catcttaac tccagagaca tttccagaa catgctgttc tcaggcacta gtgaggcggt 480
 accattatc ctcatgtgt atccaaatgt tggccatgtg accacaccaa aagctcatcc 540
 tgggccactg agactggtaa ttgaatcaga atatagttaa atattcattc tcatatatac 600
 ccagccatct tacatctttg gctttttca gcagatcctt gtggcactca gaacatccat 660
 ttgcactgt gtattttt 679

<210> 115
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 115
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 aatattttta ttgaaaagt catccgagtt tcatctaagt ttttcaaag tgatacaaat 180
 ctccaaaaaa tttccaata tatgtattga aaaaatccag gtgtaagtgg ctctgcgcag 240
 tccaaacctg tgttgttcaa gggccaactg tgtatgaatc caagcgaaag cttttcttaa 300
 cacctcataa gaactatttt ttaaaaaaca ggaactagca tagagtaacc atcacaggta 360
 aagtgaatt tgttatcagc catcttttgc ccatttcagt actggtagaa ggctcaatgg 420
 taaaaataaa aacgggacag tcagaaaaa 449

<210> 116
<211> 396
<212> DNA
<213> Homo sapiens

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gaaaaaagcc aaagatgtaa gatggctggg tatatatgag aatgaatatt tcactatatt 180
ctgattcaat taccagtctc agtggcccag gatgagcttt tgggtgtggtc acatggccaa 240
catttggata acaaatgagg aataatggta ccgcctcact agtgcctgag aacagcatgt 300
tctggaaaat gtctctggag ttagagatgt gttagctttt tcattacaga tggagaaata 360
caatgtttac acaacagtcc aggggtgggg tcaaag 396

<210> 117
<211> 232
<212> DNA
<213> Homo sapiens

<400> 117
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gatggctgat acaaaattac actttacctg tgatggttac tctatgctag ttctgtttt 120
ttaaaaaata gtcttatga ggtgttaaga aaagctttcg ctggattca tacacagttg 180
acccttgaac aacacaggtt tggactgcgc agagccaccc tcgtgccgaa tt 232

<210> 118
<211> 185
<212> DNA
<213> Homo sapiens

<400> 118
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gatggctgat aacaaattac actttacctg tgatggttac tctatgctag ttctgtttt 120

ttaaaaata gttcttatga ggtgtaaga aaagctttcg ctggattca tacacagttg 180

accct 185

<210> 119

<211> 726

<212> DNA

<213> Homo sapiens

<400> 119

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cttcattttt ttcaatattt taattgaaaa gttcatccga gtttcatcta agttttttca 120

aagtgataca aatctccaaa aaattttcca atatatgtat tgaaaaaatc caggtgtaag 180

tggctctgcg cagtcctaac ctgtgttgtt caaggggtcaa ctgtgtatga atccaagcga 240

aagcttttct taacacctca taagaactat ttttaaaaa acaggaacta gcatagagta 300

accatcacag gtaaagtgtat attgttctc agccatcttt gccatttca gtactggtag 360

aaggctcaat ggtaaaaaata aaaacgggac agtcagaaga tctggaagtc ctgaccctgc 420

ttcacctgg catgtgtaat ccagtcatgc tcgtatcagt ctctgttaga gcacttgaag 480

gtattacata aatgctatct aactctggga aacgccaaca tgtgattgcc tccagaggaa 540

tcttctttaa aaaaaaatc aaaatgttat ttcttacta ggatgtcttt aaagaattat 600

aacccttacc gtgcctccac attagataga tcctgcaac agacccatgt ggcaccagca 660

gagacagcag gaggagaggc agcagctccc ggtgtttgt ctggaaaaac aaaggttatc 720

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<210> 120

<211> 185

<212> DNA

<213> Homo sapiens

<400> 120

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gatggctgat aacaaattac actttacctg tgatgggtac tctatgctag ttctgtttt 120
ttaaaaaata gttcttatga ggtgtaaga aaagctttcg ctggattca tacacagttg 180
accct 185

<210> 121
<211> 291
<212> DNA
<213> Homo sapiens

<400> 121
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atcctgggcc actgagactg gtaattgaat cagaatatag tgaaatattc atttcatat 120
atacccagcc atcttacatc ttggctttt ttcagcagat ccttgtggca ctcagaacat 180
ccattttgca ctgtgtattt tttcccttc tgtgtatcct gctttgtaa gagtcacgag 240
tggttttaca aataaagcct gttcttactc agaaaaaaaa aaaaaaaaaa a 291

<210> 122
<211> 795
<212> DNA
<213> Homo sapiens

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<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (770)..(770)
<223> a or g or c or t/u

<400> 122
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tgtctctgct ggtggccaca tgggtgctgg tggcagggat ctatctaagtgaggcagc 180
 aaaggatcaa gaagacttcc ttttctacca ccactactt gccccatt aaggttcttg 240
 tggtttacc atctgaaata tgtttccatc acacaattg ttacttact gaatttctc 300
 aaaaccattg cagaagtgag gtcactcttg aaaagtggca gaaaaagaaa atagcagaga 360
 tgggtccagt gcagtggctt gccactcaaa agaaggcagc agacaaagtc gtcttcttc 420
 tttccaatga cgtcaacagt gtgtgcgatg gtacctgtgg caagagcgag ggcagtcca 480
 gtgagaactc tcaagacctc tttccccttg ctttaacct tttctgcagt gatctaagaa 540
 gccagattca tctgcacaaa tacgtggtgg tctactttag agagattgat acaaagacg 600
 attacaatgc tctcagtgtc tgcccaagt accacctcat gaaggatgcc actgctttct 660
 gtgcagaact tctccatgtc aagcagcagg tgcagcagg aaaaagatca caagcctgcc 720
 acgatggctg ctgctccttg tagccaccc atgagaagca agagacctn aaggcttct 780
 atcccaccat tacag 795

<210> 123
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 123
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 caaggatctg ctgaaaaaag ccaaagatgt aagatggctg ggtatatatg agaatgaata 180
 ttctactata ttctgattca attaccagtc tcagtggccc aggatgagct ttgggtgtgg 240
 tcacatggcc aacatttga taacaaatga ggaataatgg taccgcctca ctagtgcctg 300
 agaacagcat gttctggaaa atgtctctgg agttagagat gtgttagctt ttcattaca 360
 gatggagaaa tacaatgttt acacaac 387

<210> 124
<211> 561
<212> DNA
<213> Homo sapiens

<400> 124
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taatgcagct attaccactg gtggccagg ctctggtgaa gccctctgag cccaggagga 120
agagaaagca ttgtccagag gtaggaacac agtctgggag cccagagctc tgggaggagt 180
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aaatcagaag ggaatataga aagaactctg gatgtggaga aatgccggtg cctgagcatt 360
ttgtatcaat gggagtaccc tctgtaactg ctcagtaggt tacaaatgaa gaggccacca 420
gtattagaaa caatttaaac ttgccagtac caactgggat gtgtgccttc aattgaaaa 480
ttgtatgttt tattttttaa atttgtaac agcattaatt tatagagtat tgatgtcatt 540
tatgtttctg aggtgtttca a 561

<210> 125
<211> 476
<212> DNA
<213> Homo sapiens

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gaaaaaagcc aaagatgtaa gatggctggg tatatatgag aatgaatatt tcactatatt 180
ctgattcaat taccagtctc agtggcccag gatgagcttt tgggtggtc acatggccaa 240
catttgata acaaatgagg aataatgta ccgcctcact agtcctgag aacagcatgt 300
tctggaaaat gtctctggag ttagagatgt gtagctttt tcattacaga tggagaaata 360
caatgtttac acaacagtcc aggggtgggg tcaaaagtg gaaggtgtca ttagacgcag 420

ccaaataaag tgaagacaac ccaggtgact ggcagccctg acttgtgcgt gggcga 476

<210> 126
<211> 186
<212> DNA
<213> Homo sapiens

<400> 126
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gatggctgat aacaaattac actttacctg tgatgggtac tctatgctag tatcctgttt 120
tttaaaaaat agttcttatg aggtgttaag aaaagcttgc gcttggattc atacacagtt 180
gaccct 186

<210> 127
<211> 456
<212> DNA
<213> Homo sapiens

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<223> a or g or c or t/u

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<222> (260)..(260)
<223> a or g or c or t/u

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<222> (307)..(307)
<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (350)..(350)
<223> a or g or c or t/u

<220>
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<222> (406)..(406)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (431)..(431)

<223> a or g or c or t/u

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<221> misc_feature

<222> (446)..(446)

<223> a or g or c or t/u

<400> 127

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ttcacagta ggaactaggg ttctgtcca gttttttgg ttcttaagg aattaatgtt 120

attctgggta caactgctta catacatagc acatatagat gacatttta caggccgtct 180

tgtagactg acatacatgg aggatagtgc caccgcctc acaagaacat caggtaagct 240

caggcacaga gtcnagggn atctgtaagg gcttcgcca cgcacaagtc agggctgcca 300

gtcaccnggg ttgtcttcac ttatttggg ctgcgtctaa tgacacctn ccaactttt 360

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aggttaacac nttttaact tccgngaca ttttc 456

<210> 128

<211> 1816

<212> DNA

<213> Homo sapiens

<400> 128

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cgagagccga ccgttcaatg tggtctgaa actgggccat ctccagagtg gatgctacaa 120

catgatctaa tccccggaga cttgaggac ctccgagtag aacctgttac aactagtgtt 180

gcaacagggg actattcaat ttgatgaat gtaagctggg tactccgggc agatgccagc 240

atccgcttgt tgaaggccac caagatttgt gtgacgggca aaagcaactt ccagtcctac 300

agctgtgtga ggtgcaatta cacagaggcc ttccagactc agaccagacc ctctggtggt 360
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taactaacga ttggaaacta catttacaac ttcaaagctg tttatacat agaaatcaat 1740

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aaaaaaaaa aaaaaa 1816

<210> 129

<211> 1828

<212> DNA

<213> Homo sapiens

<400> 129

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gtgtgaggtg caattacaca gaggccttcc agactcagac cagaccctct ggtggtaaat 360

ggacatttcc ctatctggc ttcctgtag agctgaacac agtctattc attggggccc 420

ataatattcc taatgcaaata atgaatgaag atggcccttc catgtctgtg aatttcacct 480

caccaggctg cctagaccac ataataaata ataaaaaaaa gtgtgtcaag gccggaagcc 540

tgtgggatcc gaacatcact gcttgaaga agaatagagga gacagtagaa gtgaacttca 600

caaccactcc cctgggaaac agatacatgg ctcttatcca acacagcact atcatcgggt 660

ttctcaggt gtttagcca caccagaaga aacaaacgcg agcttcagtg gtgattccag 720

tgactgggga tagtgaaggt gctacggtgc agctgactcc atatttctct acttgtggca 780

gcgactgcat ccgacataaa ggaacagttg tgctctgccc acaaacaggc gtcctttcc 840

ctctggataa caacaaaagc aagccgggag gctggctgcc tctctcctg ctgtctctgc 900

tggtggccac atgggtgctg gtggcaggga tctatctaata gtggaggcac gaaaggatca 960

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 <211> 2856
 <212> DNA
 <213> Homo sapiens

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 <223> a or g or c or t/u

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<211> 1583
<212> DNA
<213> Homo sapiens

<400> 131

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 <212> DNA
 <213> Homo sapiens

<400> 132
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 <212> DNA
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665

<210> 134
<211> 664
<212> DNA
<213> Homo sapiens

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<223> a or g or c or t/u

<400> 134

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agtttccaat cgttagttaa tgctacatta gttagcaata ttgaaaatt ttattggtat 180

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664

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<211> 739
<212> DNA
<213> Homo sapiens

<400> 135

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<210> 137
<211> 102
<212> DNA
<213> Homo sapiens

<400> 137
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<210> 138
<211> 187
<212> DNA
<213> Homo sapiens

<400> 138
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gctttaattg aaaactgtaa ccattttgat aatgcaacaa taaagcatct tcagccaaaa 180
aaaaaaa 187

<210> 139
<211> 361
<212> DNA
<213> Homo sapiens

<400> 139
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caagagcgag ggcagtccca gtgagaactc tcaagacctc ttccccctt gcctttaacc 180
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 g 361

<210> 140
 <211> 783
 <212> DNA
 <213> Homo sapiens

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 <223> a or g or c or t/u

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tat 783

<210> 141

<211> 399

<212> DNA

<213> Homo sapiens

<400> 141

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acgcgagctt cagtgggtgat tccagtgact ggggatagtg aaggtgctac ggtgcagctg 300

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<210> 142

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (503)..(503)

<223> a or g or c or t/u

<400> 142

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gtattattag cataaatgtt ttttctggg aatgcttatt tcacacagca caatactgaa 180

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taagtgcctg taatagaaga tggacatggt ttaggtcaaa acttggacca gaaaccaact 480

tcctttgaaa cagctctacc agntataaga gcaatatg 518

<210> 143

<211> 490

<212> DNA

<213> Homo sapiens

<400> 143

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<210> 144

<211> 421

<212> DNA

<213> Homo sapiens

<400> 144

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 <212> DNA
 <213> Homo sapiens

<400> 145
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 gtttccaatc gttagttaat gctacattag ttagcaatat ttgaaaattt tattggata 180
 aaatgtttta attactaagg ctgtttgtag gctgcatagt aagcttcagg atcatcacac 240
 gttttttccc tgtaattggt gggataggaa gcctttaagg tctcttgctt ctcattgggtg 300
 gggtacaagg agcagcagcc atcgtggcag gcttgtgac ttttctgc tgacacctgc 360
 tgcttgacat ggagaagttc tgcacagaaa gcagtggcat ccttcattgag gtggtacgtg 420
 gggcagacac tgagagcatt gtaatcgtct ttgtatcaa tctctctaaa gtagaccacc 480
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 gggaaga 547

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 <212> DNA
 <213> Homo sapiens

<400> 146
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 tacactttac ctgtgatggg tactctatgc tagttcctgt ttttaaaaa atagttctta 180
 tgagggtgta agaaaagctt tcgcttgat tcatacacag ttgacccttg aacaacacag 240
 gtttgactg cgcagagcca cttacacctg gatttttca atacatatat tggaaaattt 300
 tttggagatt tgtatcactt tgaaaaaact tagatgaaac tcggatgaac tttcaatta 360
 aaatattgaa aaaaatgaag aaaaaggat gtcataaatg cagaaaatgt atacagatac 420
 tagtctactt tatcatttcc taccatacca atagttaact atttaacta ttaaaagtta 480
 aaaatttacc aaaacttaaa cacacacata ccaactgtac atggcaccat tcacagtga 540
 gagaaacgtg agcataaaga tgtggtatta aatcataact gcatacaatt aattgcagtg 600
 cgtactgtcc tgctgtgaat atttctagc cctcgtgccg aatc 644

<210> 147
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 147
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 agaactctca agacctcttc ccccttgcct ttaacctttt ctgcagtgat ctaagaagcc 180
 agattcatct gcacaaatac gtgggtgtct actttagaga gattgataca aaagacgatt 240
 acaatgctct cagtgtctgc cccaagtacc acctcatgaa ggatgccact gctttctgtg 300
 cataacttct ccatgtcaag cagcaggtgt cagcaggaaa aagatcacia gcctgccacg 360
 atggctgctg ctctttag tagcccacatg agaagcaaga gacctaaag gcttctatc 420
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<210> 148
<211> 499
<212> DNA
<213> Homo sapiens

<400> 148
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cgtggcaggc ttgtgatctt ttcctgctg acacctgctg ctgacatgg agaagttatg 180
cacagaaagc agtggcatcc ttcagtaggt ggtacttggg gcagacactg agagcattgt 240
aatcgtcttt tgatcaatc tctctaaagt agaccaccac gtatttgtgc agatgaatct 300
ggcttcttag atcactgcag aaaagggtta aggcaagggg gaagaggtct tgagagtct 360
cactgggact gccctcgtc ttgccacagg taccatcgca cacactgtg acgtcattgg 420
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caagccacgg tcaaccac 499

<210> 149
<211> 615
<212> DNA
<213> Homo sapiens

<400> 149
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ttgactttag ggctttgtta cagatgtgtg accaagggga aaatgtgcat gacaacacta 180
gaggtagggg cgaagccaga aagaaggga gtttggctg aagtaggagt ctgcgactg 240
catccgacat aaaggaacag ttgtgctctg ccacaaaca ggcgtccctt tcctctgga 300
taacaacaaa agcaagccgg gaggtggct gcctctctc ctgctgtctc tgctggtggc 360
cacatgggtg ctggtggcag gcatctatct aatgtggagg cacgaaagga tcaagaagac 420
ttcctttct accaccacac tactgcccc cattaagggt cttgtggtt acccatctga 480

aatatgtttc catcacacaa ttgttactt cactgaattt ctcaaaacc attgcagaag 540

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<210> 150

<211> 636

<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (203)..(203)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (323)..(323)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (463)..(463)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (467)..(467)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (502)..(502)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (507)..(507)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (595)..(595)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (600)..(600)

<223> a or g or c or t/u

<400> 150

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aatgtttgtc tacgtggtaa gatatgacct agccctttta ggtaagcgaa ctggtatgtt 120

agtaacgtgt acaaagtta ggttcagacc cggggagtct tgggcatgtg ggtctcgggt 180

cactggtttt gactttaggg cntgtttaca gatgtgtgac caaggggaaa atgtgcatga 240

caacactaga gctgactcca tattttccta cttgtggcag cgactgcac cgacataaag 300

gaacagttgt gctctgccca canacaggcg tccctttccc tctggataac aacataagca 360

agccgggagg ctggctgcct ctctctctgc tgtctctgct ggtggcacat gggtgctggt 420

ggagggatct atctaattgt gaggcacgga tcaagaagac ttcttntct accaccacac 480

tactggcccc aataagggtc tngtggntac cccatctgaa tatgttcata cacaatttgt 540

actcactgaa ttctcaaac attgagagtg aggcacctg aaagtgcgaa aaganatgcn 600

aatggtcagt gcatgctgca ctagcagcat ggactt 636

<210> 151

<211> 676

<212> DNA

<213> Homo sapiens

<400> 151

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gtggatgcta caacatgac taatccccgg agacttgagg gacctccgag tagaacctgt 180
 tacaactagt gttgcaacag gggactattc aattttgatg aatgtaagct gggactaccg 240
 ggcatgccc agcatccgct tgtgaaggc caccaagatt tgtgtgacgg gcaaaagcaa 300
 ctccagtc tacagctgtg tgagggtgcaa ttacacagag gccttcaga ctgagaccag 360
 accctctggt ggtaaagga cattttcta catcggttc cctgtagagc tgaacacagt 420
 ctatttcatt ggggccata atattcctaa tgcaaatatg aatgaagatg gcccttccat 480
 gtctgtgaat ttacctcac caggctgcct agaccacata atgaaatata aaaaaagtg 540
 tgtcaaggcc ggaagcctgt gggatccgaa catcactgct tgtaagaaga atgaggagac 600
 agtagaagtg aattcacaa ccactcccct gggaaacaga tacatggctc ttatccaaca 660
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<210> 152
 <211> 722
 <212> DNA
 <213> Homo sapiens

<400> 152
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 tgtccagttt ttttggttct ttaaggaatt aatgttattc tgggtacaac tgcttacata 180
 catagcacat atagatgaca ttttacagg ccgtcttgtt agactgacat acatggagga 240
 tagtgccacc cgcctcaca gaacatcagg taagctcagg cacagagtgc ccaggaatct 300
 gtaaggcttc gccacgcac aagtcagggc tgccagtcac ctgggtgtc ttactttat 360
 ttggtgcgt ctaatgacac ctccaactt ttgacccac ccctggactg ttgtgtaac 420
 attgtattc tccatctgta atgaaaagc taacacatct ctaactccag agacatttc 480
 cagaacatgc tgtctcagg cactagttag gcggtaccat tattctcat ttgttatcca 540

aatgttgccc atgtgaccac accaaaagct catcctgggc cactgagact ggtaattgaa 600

tcagaatata gtgaaatatt cattctcata tataaccagc catcttacat ctttggttt 660

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ct 722

<210> 153

<211> 335

<212> DNA

<213> Homo sapiens

<400> 153

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gccagattca tctgcacaaa tacgtggtgg tctactttag agagattgat acaaaagacg 120

attacaatgc tctcagtgtc tgccccaagt accacctcat ggaggatgcc actgctttct 180

gtgcagaact tctccatgtc aagtagcagg tgcagcagg aaaaagatca caagcctgcc 240

acgatggctg ctgctccttg tagccacccc atgagaagca agagacctta aaggcttct 300

atcccaccaa ttacagggaa aaaacgtgtg atgat 335

<210> 154

<211> 680

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (591)..(591)

<223> a or g or c or t/u

<400> 154

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gaagtgaggt catccttgaa aagtggcaga aaaagaaaat agcagagatg ggtccagtgc 120

agtggcttgc cactcaaaag aaggcagcag acaaagtcgt cttccttctt tccaatgacg 180

tcaacagtgt gtgcgatggc acctgtggca agagcgaggg cagtcccagt gagaactctc 240

aagacctctt ccccttgcc tttaaccttt tctgcagtga tctaagaagc cagattcatc 300
tgcacaaata cgtggtggtc tactttagag agattgatac aaaagacgat tacaatgctc 360
tcagtgtctg cccaagtac cacctcatga aggatgccac tgctttctgt gcagaacttc 420
tccatgtcaa gtagcaggtg tcagcaggaa aaagatcaca agcctgccac gatggctgct 480
gtccttgta gccacccat gagaagcaag agaccttaaa ggcttcctat cccaccaatt 540
acagggaanaa aaacgtgtga tgatccctga agcttactat gcagcctaca nacagcctta 600
gtaataaaac attttatcca ataaaatttc aaattttgct taactatgtg cataaactac 660
gattgaaaac tctttacact 680

<210> 155
<211> 491
<212> DNA
<213> Homo sapiens

<400> 155
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gggtgggatag gaagccttta aggtctcttg ctctcatgg gtgggctaca aggagcagca 120
gccatcgtag caggcttggt atctttttcc tgctgacacc tgctgcttga catggagaag 180
ttctgcacag aaagcagtag catccttcat gaggtggtac ttggggcaga cactgagagc 240
attgtaatcg tctttgtat caatctccct aaagtagacc accacgtatt tgtgcagatg 300
aatctggcct ctagatcac tgcagaaaag gttaaaggca agggggaaga ggtcttgaga 360
gttctcactg ggactgccct cgtcttgcc acaggtacca tcgcacacac tgttgacgtc 420
attgaaaga aggaagacga cttgtctgc tgccttcttt tgagtggcaa gccactgcac 480
tggaacctc t 491

<210> 156
<211> 533
<212> DNA

<213> Homo sapiens

<400> 156

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tgctgtctct gctggtggcc acatggttgc tgggtggcagg gatctatcta atgtggaggc 120
acggtaaggg ttataattct ttaaagtcac cctagtaagg aaataacatt tggaattttt 180
ttttaagaa gattcctctg gaggcaatca cctgttggcg ttcccagag ttagatagca 240
tttatgtaac accttcaagt gctcctacag agactgatac gagcatgact ggattacaca 300
tgccaggtga aagcagggcc aggacttcca gatcttctga ctgtcccgtt tttattttta 360
ccattgagcc ttctaccaga actgaaatgg gcaaaagatg gctgataaca aattacactt 420
tacctgtgat ggttactcta tgctagtcc tgttttttaa aaaatagttc ttatgaggtg 480
tcaagaaaag ctttcgcttg gattcataca cagttgaccc ttgaacaaca cag 533

<210> 157

<211> 218

<212> DNA

<213> Homo sapiens

<220>

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<222> (119)..(120)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (199)..(199)

<223> a or g or c or t/u

<400> 157

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ataaaatttt caaatattgc taactaatgt agcattaact aacgattgga aactacatnn 120
acaacttcaa agctgtttta tacatagaaa tcaattacag cttaattga aaactataac 180
cattttgata atgcaacant aaagcatctt cagccaaa 218

<210> 158
<211> 703
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (554)..(554)
<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (703)..(703)
<223> a or g or c or t/u

<400> 158
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ccagaccctc tgggtgtaaa tggacatttt cctatatcgg cttccctgta gagctgaaca 120
cagtctattt cattggggcc cataatatc ctaatgcaaa tatgaatgaa gatggccctt 180
ccatgtctgt gaatttcacc tcaccaggct gcctagacca cataatgaaa tataaaaaaa 240
agtgtgtcaa ggccggaagc ctgtgggac cgaacatcac tgcttgtaag aagaatgagg 300
agacagtaga agtgaacttc acaaccactc ccctgggaaa cagatacatg gctcttatcc 360
aacacagcac tatcatcggg tttctcagg tgttgagcc acaccagaag aaacaaacgc 420
gagcttcagt ggtgattcca gtgactgggg atagtgaagg tgctacgggtg cagctgactc 480
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cacaaacagg cgtncctttt cctctggata acaacaaaag caagccggga ggcttggtg 600
ctctccttct gctggccttt gctgtggcca cattggtgct ggtggcaggg atctatctaa 660
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<210> 159
<211> 893
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (798)..(798)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (805)..(805)

<223> a or g or c or t/u

<400> 159

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ctctcctgc tgtctctgct ggtggccaca tgggtgctgg tggcagggat ctatctaag 180

tggaggcacg aaaggatcaa gaagacttcc tttctacca ccacactact gccccccatt 240

aaggttcttg tggtttacc atctgaaata tgtttccatc acacaattg ttacttcaat 300

gaatttcttc aaaaccattg cagaagttag gtcaccttg aaaagtggca gaaaaagaaa 360

atagcagaga tgggtccagt gcagtggctt gccactcaaa agaaggcagc agacaaagtc 420

gtcttccttc ttccaatga cgtcaacagt gtgtgcgatg gtacctgtgg caagagcgag 480

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acaaaagacg attacaatgc tctcagtgtc tgccccaagt accacctcat gaaggatgcc 660

actgctttct gtgcagaact tctccatgtc aagcagcagg tgtcagcagg aaaaagatca 720

caagcctgcc acgatggctg ctgctccttg tagccaccc atgagaagca agagacctta 780

aggcttctat cccaccanta caggnaaaaa cgtgtgatga tctgaagct tactatgcag 840

cctacaacag gcttagtatt aaaacattta tacccataaa tttcaaatt gct 893

<210> 160

<211> 959

<212> DNA

<213> Homo sapiens

<400> 160

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gccgtacccc gagagccgac cgttcaatgt ggctctgaaa ctgggccatc tccaragtgg 180
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cagtcctaca gcwgtgtgag gtagcaatta cacagagagc acatatccag actctagacc 420
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<210> 161

<211> 1200

<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (35)..(35)

<223> a or g or c or t/u

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<222> (43)..(43)

<223> a or g or c or t/u

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<222> (45)..(45)

<223> a or g or c or t/u

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<222> (48)..(48)

<223> a or g or c or t/u

<400> 161

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taatattcta tgtttaatta atgaatacta actctaagaa cccctcactg attcactcaa 180

tagcatctta agtgaaaaac cttctattac atgcaaaaaa tcattgtttt taagataaca 240

aaagtaggga ataaacaagc tgaaccact tttactggac caaatgatct attatatgtg 300

taaccacttg tatgatttgg tatttgcata agacctccc tctacaaact agattcatat 360

cttgattctt gtacaggtgc ctttaacat gaacaacaaa ataccacaa actgtctac 420

tttgcctaa agttacctat tagaggtcac tgtsagagtk ctcagtttct tagttactat 480

ttaastttts atgttcaaaa tgaataaat tctkaagtkg aaagsgetct tgaagtaacc 540

ttttataaa tgagttatta taatggttta cttaaataaa avagaggggk tttgcggtg 600

gctcatgcct ccaatccag cactttggca aggccaaggc aaaavgatcg ctcaagacca 660

ggctacgtca caaagcgaga cctccatctc tacaaaagat ttaaaaaatt agctgagtgt 720

gatggtgtga gcctgtggtc ccagctacta gggaggctga gatgggagga tcacttgagc 780
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<210> 162
<211> 899
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (483)..(483)
<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (485)..(485)
<223> a or g or c or t/u

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aggcagccag cctcccggct tgcttttgtt gttatccaga gggaaaggga cgctgtttg 180
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tcgcgtttgt ttcttctggt gtggctcaaa cacctgagaa aaccgatga tagtgctgtg 360
ttggataaga gccatgtatc tgtttcccag gggagtgggt gtgaagtica cttctactgt 420

ctcctcattc ttcttacaag cagtgatgtt cggatccac aggcttccg ccttgacaca 480
ctntntttta tatttcatta tgttgtctag gcagcctggt gaggtgaaat tcacagacat 540
ggaagggcca tcttcattca tatttgcatt aggaatatta tgggcccacaa tgaaatagac 600
tgtgttcagc tctacagggg aagccgatat aggaaaatgt ccattacca ccagagggtc 660
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gttgcttttg ccccgcacac aaatcttgtg ggccttcaac agcggatgct gccattgcc 780
ccgaagtccc cagctcaatt cattaaaaat tgaataggcc ccttgtggca accctagtgt 840
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<210> 163
<211> 877
<212> DNA
<213> Homo sapiens

<400> 163
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gaggcagcca gcctcccggc ttgctttgt ttgtatccag agggaaagg acgcctgttt 180
gtgggcagag cacaactgtt cctttatgtc ggatgcagtc gctgccacaa gtaggaaaat 240
atggagtcag ctgcaccgta gcaccttcac tatccccagt cactggaatc accactgaag 300
ctcgcgtttg ttcttctgg tgtggctcaa acacctgaga aaacccgatg atagtgtgt 360
gttgataag agccatgtat ctgtttcca ggggagtggt tgtgaagtc acttctactg 420
tctectcatt ctcttaca gcagtgatgt tcggatcca caggcttccg gccttgacac 480
acttttttt atatttcatt atgtgtcta ggcagcctgg tgagtgaaa ttcacagaca 540
tggaagggcc atcttcatt atattgcat taggaatatt atgggcccac atgaaataga 600
ctgtgttcag ctctacaggg aagccgatat aggaaaatgt ccattacca ccagagggtc 660

tggctctgagt ctggaaggcc tctgtgtaat tgcacctcac acagctgtag gactgggagt 720
 tgcttttgcc cgtacacaaa tcttgttggc ctcaacaag cggatgctgg catctggcgg 780
 gggtagccag cttacattca tcaaaattga atagtcccct tgttgcaaca ctagtttgta 840
 aacaggttct actccggggg tcccctcagt ctcccgg 877

<210> 164
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 164
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 accacataat gaaatataaa aaaaagtgtg tcaaggccgg aagcctgtgg gatccgaaca 120
 tcaactgcttg taagaagaat gaggagacag tagaagtga cttcacaacc actcccctgg 180
 gaaacagata catggctctt atccaacaca gcactatcat cgggttttct caggtgtttg 240
 agccacacca gaagaaacaa acgcgagctt cagtgggtgat tccagtgact ggggatagtg 300
 aagtgcttac ggtgcaactg actccatatt ttctacttg tggcagcgac tgcacccgac 360
 ataaaggaac agttgtgctc tgcccacaaa caggcgtccc ttccctctg gataacaac 419

<210> 165
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 165
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 gaccacataa tgaaatataa aaaaaagtgt gtcaaggccg gaagcctgtg ggatccgaac 120
 atcaactgctt gtaagaagaa tgaggagaca gtagaagtga acttcacaac cactcccctg 180
 ggaaacagat acatggctct tatccaacac agcactatca tcgggttttc tcaggtgttt 240
 gagccacacc agaagaaaca aacgcgagct tcagtgggtga ttccagtgc tggggatagt 300

gaaggtgcta cgggtgcagct gactccatat ttctactt gtggcagcga ctgcatccga 360

cataaaggaa cagttgtgct ctgccacaaa acaggcgctc cttccctct ggataacaac 420

<210> 166

<211> 676

<212> DNA

<213> Homo sapiens

<400> 166

gcaaatatga atgaagatgg cccttccatg tctgtgaatt tcacctcacc aggctgccta 60

gaccacataa tgaaatataa aaaaaagtgt gtcaaggccg gaagcctgtg ggatccgaac 120

atcactgctt gtaagaagaa tgaggagaca gtagaagtga acttcacaac cactcccctg 180

ggaaacagat acatggctct tatccaacac agcactatca tcgggttttc tcaggtgttt 240

gagccacacc agaagaaaca aacgcgagct tcagtgggtga ttccagtgcac tggggatagt 300

gaaggtgcta cgggtgcagct gactccatat ttctactt gtggcagcga ctgcatccga 360

cataaaggaa cagttgtgct ctgccacaaa acaggcgctc cttccctct ggataacaac 420

aaaagcaagc cgggaggctg gctgcctctc ctctgctgt ctctgctggt ggccacatgg 480

gtgctggtgg cagggatcta tctaattggg aggcacgaaa ggatcaagaa gacttccttt 540

ttaccacca cactactgtc tccattaaa gatcttggg ttatccatc tgaaatattg 600

ttcattaca catattggtg cctaactgaa attctttaa accattgcaa attgaggtca 660

ctcttgaaag ggcgtg 676

<210> 167

<211> 517

<212> DNA

<213> Homo sapiens

<400> 167

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agtgcctgc acacagtagt cgctcaataa atgttcgtgg atgatgatga tgatgatgat 120

gaaaaaaatg cagcatcaac ggcagcagca agcggaccac gcgaacgagg caaactatgc 180
 aagaggcacc agacttcctc ttctggtga aggaccaact tctcagctga atagctcaa 240
 gcaaactgtc ctgtcttggc aagctgcaat cgatgctgct agacaggcca aggctgcca 300
 aactatgagc acctctgcac cccacctgt aggatctctc tccaaagaa aacgtcagca 360
 atacgccaag agcaaaaaac agggtaactc gtccaacagc cgacctgccc gcgccctttt 420
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 ttgacatat ttatattatt ggctatttt tgccaat 517

<210> 168
 <211> 860
 <212> DNA
 <213> Homo sapiens

<400> 168
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 gcatccagcc tcccctgggg ttgggaagt tatgtccaca cagggtagcg tgcaagagat 120
 tagttgcat gaacatgcct ctcaacagt acgggacagt catgtttaat gcaaccctgt 180
 ttgctttgt tcgaacggct cttaagatca agaccgaagg gaacctggag caagctaag 240
 aagaacttcg ggctgtgata aagaaaattt ggaagaaaac cagcatgaaa ttacttgacc 300
 aagtgtccc tccagctggt gatgatgagg taacctggg gaagttctat gccactttcc 360
 tgatacagga ctactttagg aaattcaaga aacggaaaga acaaggactg gtgggaaagt 420
 acctgcgaa gaacaccaca attgcctac aggcgggatt aaggacactg catgacattg 480
 ggccagaaat cggcgtgct atatcgtgtg atttgaaga tgacgagcct gaggaacaa 540
 aacgagaaga agaagatgat gtgtcaaaa gaaatggtgc cctgcttga aacctgtca 600
 atcatgttaa tagtgatagg agagattccc ttcagcagac caatagcacc accgtcccct 660
 gcattgtcca aaggccttca attccactg caagtgatac tgagaaaccg ctgtttcctc 720
 cagcaggaaa ttcggggtgt cataaccatc ataaccatta attcatagg aaagcaaggt 780

tcccacttca acaatgccag tctcgaatag tgccaatatg tccaaagctt gccatggtaa 840

gcgggccagc attggaacc 860

<210> 169

<211> 495

<212> DNA

<213> Homo sapiens

<400> 169

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ggtaggaaca ggtcccaagc ggttgagcct ggcagagtac catgcgctcg gcccagctg 120

caggaaacag caggccccgc cctctcacag aggatgggtg aggaggccag acctgccctg 180

ccccattgtc cagatgggca ctgctgtgga gtctgtctct cccatgtacc agggcaccag 240

gcccacccaa ctgaaggcat ggcggcgggg tgcaggggaa agttaaaggt gatgacgatc 300

atcacacctg tgtcgttacc tcagccatcg gtctagcata tcagtcactg ggccaacat 360

atccattttt aaacctttc ccacaaatac actgcgtcct ggttcctgtt tagctgttct 420

gaaatacggg gtgtaagtaa gtcagaacct agctaccagt gattattgcg agggcaatgg 480

gacctcataa ataag 495

<210> 170

<211> 557

<212> DNA

<213> Homo sapiens

<400> 170

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gtatattaca agtcatgtac agtaaacta taattttaaa caaactagt tatctaagtt 180

tacctggttg cgagtgcatt attattccag ttacagttg cccttagcgt gacagtcaga 240

aaccgacat cggagtgata ttctcttatg taaactggcg tcacatcaca gaaaacctta 300

ttatgaggt cccattgcc tcgcaataat cactggtagc tgggttctga cttacttaca 360
 caccgtattt cagaacagct aaacaggaac caggacgcag tgtatttggt ggaaagggtt 420
 taaaaatgga tatgttgggc ccagtgactg atatgctaga ccgatggctg aggtaacgac 480
 acaggtgtga tgatcgtcat cacctttaac ttcccctgc accccgccgc catgccttcc 540
 agttgggtgg gcctggt 557

<210> 171
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 171
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 atactcttgt tctctttaca accggtttga ttgcttcgtg gtgtgtggtg gaatcactga 180
 gacgatcttg gtggaactgg aaatcatgct tcccctgggg atctctgtgt ttcggtgtgt 240
 gcgcctctta agaattctca aagtgaccag gcactggact tccctgagca acttagtggc 300
 atccttatta aatccatga agtccatgc ttcgctgttg cttctgcttt ttctcttcat 360
 tatcatcttt tccttgcttg ggatgcagct gtttggcggc aagttaatt ttgatg 416

<210> 172
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (365)..(365)
 <223> a or g or c or t/u

<400> 172
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gcggacagtt ggtggaggca gtcctgatat ccgaagcttg ggacgctatg caagggaccc 120
aaaatttgtg tcagcaacaa aacacgaaat cgctgatgcc tgtgacctca ccatcgacga 180
gatggagagt gcagccagca ccctgcttaa tgggaacgtg cgtccccgag ccaacgggga 240
tgtgggcccc ctctcacacc ggcagactat gagctacagg actttggtcc tgggcttaca 300
gcgacgaaga gccagaccct ggggagggat tgagggagga cctgggcgga tgaattgatt 360
ttgcntcacc acctttgtta ggccccccagg cgagggggcaa g 401

<210> 173
<211> 186
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)..(11)
<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (172)..(172)
<223> a or g or c or t/u

<400> 173
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tagaaaaatt tctgtagtgt caagttcttt caaactaaa attttaacc cagaggattt 120

tcgctgaata aatgagaatt ggctctattt ctctacttc tggatagccc gngtaaaaat 180

actaat 186

<210> 174
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (45)..(45)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (296)..(296)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (303)..(303)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (345)..(345)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (366)..(366)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (386)..(386)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (391)..(391)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (420)..(420)

<223> a or g or c or t/u

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<221> misc_feature

<222> (428)..(428)

<223> a or g or c or t/u

<400> 174

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 cgctgaataa atgagaattg gctctatttc ttctacttct ggatagcccc agtaaaaata 180
 ctaataattt ctagatttta gtggggaact acaattatta ggacccatgg atattgctgc 240
 agttcaaata caatacagta attacaaaat atagaccatc tctttacaaa tacaanttat 300
 agnatattac aagtcagtga cagtaaatct ataattttgg acaanctagt gtatctaagt 360
 ttaccngggg tgcgagtgcc ttattnttcc ngtttacagt tgcccttagc gtgacagtcn 420
 ggaaccgncc ttc 433

<210> 175
 <211> 331
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (61)..(61)
 <223> a or g or c or t/u

<400> 175
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 tgtgtcagca aaaaaacacg aaatcgctga tgcctgtgac ctcaccatcg acgagatgga 180
 gagtgcagcc agcacctgc ttaatgggaa cgtgcgtccc cgagccaacg gggatgtggg 240
 cccctctca caccggcaga ctatgagta caggactttg gtctgggct acagcgacga 300
 agagccagac cctgggaggg atgaggagga c 331

<210> 176
 <211> 643
 <212> DNA
 <213> Homo sapiens

<400> 176
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gctatccaga agtagaagaa atagagcaaa ttctcattta ttcagcgaaa atcctctggg 120
 gttaaaattt taagttgaaa gaacttgaca ctacagaaat ttttctaaaa tatttgagtc 180
 actataaacc tatcatcttt ccacaagata taccagatga ctattgcagt cttctcttgg 240
 gcaagagttc catgatttga tactgtacct tggatccacc atgggtgcaa ctgtcttggg 300
 ttgttgttga ctgaaccac cctctggtaa gtaagtgaat tacagagcag gtctagctgg 360
 ctgctctgcc ccttgggtat ccatagttac ggttttctct gtggcccacc caggtgtttt 420
 tgcacgcgtg gtgcagaaat gcacagggtg atgagatata gctgctcttg tcctctgggg 480
 actggtggtg ctgcttaaga aataaggggt gctggggaca gaggagcaac gtggtgatct 540
 ataggattgg agtgtcgggg tctgtacaaa tcgtattgtt gccttttaca aaactgtgta 600
 ctgtatgttc tctttgaggg cttttgtatg caattgaatg agg 643

<210> 177
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 177
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 agtgcaagt tctttcaaac ttaaaatttt aacccagag gattttcgct gaataaatga 120
 gaattggctc tattttctct acttctggat agcccagta aaaatactaa taatttctag 180
 attttagtgg ggaactacaa ttattaggac ccatggatat tgctgcagtt caaatacaat 240
 acagtaatta caaaatatag accatctctt tacaaataca aattatagta tattacaagt 300
 catgtacagt aaatctataa ttttaaacaa acctgtgtat ctaagtttac ctggttg 357

<210> 178
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 178
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tggaaattgt ttaaattca agcaacaatg ctgattaatt tctggccaat aatcgttcta 120
tagttctct tcatgaagcc tggtagggtt ccaggaaaca gcttgatttg ggaagcctca 180
gcagaaaaga aagcatctca gaggacacat aaaatgtctg gcaaccctc ttggcggccc 240
tcatccagca aagcttgtgt ggtcttggca actgtcctca ggactctgct ttcaagatga 300
aagaggtgta gcttaccgc tcaatacacc aagtacaaga tttagtacga aaaatgaccc 360
aaagatgacg agactgacaa gatacaccca gggcaattcc aatcccatag catcattcat 420

<210> 179
<211> 465
<212> DNA
<213> Homo sapiens

<400> 179
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ctctgatcca ggcaaaaaca ctcaaggtt tgtaaatgac tcttctga cataaatcct 120
ttttattaa aatgcaaaat gttcttcaga ataaaactgt gtaataattt ttatacttg 180
gagtgtcct tgacagagc tgtcatttgc cagtgagagc ctccgacagg gcaggtactg 240
tgccagggca gctctgaaat tatggatatt cttatcctcc tggctcttc ggtgccaatg 300
gtaacctaat accagccgca gggagcgcca ttctcttaa agggtacac cactgtcaac 360
attatcctgg actctgtgtc tctctctgtt gggctctgtg gcatcacatc aggccaaaat 420
tgccagacca ggaccctaag tgtctgatag aggcgatgat ctttt 465

<210> 180
<211> 330
<212> DNA
<213> Homo sapiens

<400> 180
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caggcttaaa gcaaacatac taggaaatgg ggcagcctgt aagaatgcca gtttgaagt 120
 actgactttg gaaaagatca tcgcctctat cagacactta gggctcctgg ctggcaattt 180
 tggcctgatg tgatgccaca agaccaaca gagagagaca cagagtcag gataatgttg 240
 acagggggta gccctttagg agaaatggcg ctccctgcgg ctggtattag gttaccattg 300
 gcaccgaagg aaccaggagg ataagaatat 330

<210> 181
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 181
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 tactctgatc caggcaaaaa cacttcaagg ttgtaaatg actcttctct gacataaatc 120
 cttttttatt aaaatgcaaa atgttcttca gaataaaact gtgtaataat tttatactt 180
 gggagtgtc cttgcacaga gctgtcattt gccagtgaga gcctccgacg gggcaggtag 240
 tgtgccaggg cagctctgaa attatggata ttcttctct cctggttcct tcggtgcaa 300
 tggtaaccta ataccagccg caggagcgc catttctct aaagggtac accactgtca 360
 acattatctt ggactctgtg tctctctctg ttgggtcttg tggcatcaca tcaggccaaa 420
 attgccagac caggacccta agtgtctgat agaggcgatg atcttttcca aagtcagtac 480
 ttacaaactg gcattcttac ag 502

<210> 182
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 182
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 aagacattct tactctgatc caggcaaaaa cacttcaagg ttgtaaatg actcttctct 120

gacataaatc ctttttatt aaaatgcaaa atgttcttca gaataaaact gtgtaataat 180
 tttataactt gggagtgtc cttgcacaga gctgtcattt gccagtgaga gcctccgacg 240
 gggcaggtac tgtgccaggg cagctctgaa attatggata ttcttatcct cctggttcct 300
 tcggtgccaa tgtaacctt ataccagccg caggagcgc catttctct aaagggtac 360
 accactgtca acattatcct ggactctgtg tctctctctg ttgggtcttg 410

<210> 183
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 183
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 actctgatcc aggcaaaaac acttcaaggt ttgtaaatga ctctttcctg acataaatcc 120
 tttttatta aaatgcaaaa tgttcttcag aataaaactg tgtaataatt ttataacttg 180
 ggagtgtccc ttgcacagag ctgtcatttg ccagtgaag cctccgacgg gcaggtactg 240
 tgccagggca gctctgaaat atggatattc ttacctcctg gttctttcgg tgcaaatggt 300
 aacctaatac cagccgcagg gagcgccatt tct 333

<210> 184
 <211> 282
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (231)..(231)
 <223> a or g or c or t/u

<400> 184
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 actctgatcc aggcaaaaac acttcaaggt ttgtaaatga ctctttcctg acataaatcc 120

tttttatta aaatgcaaaa tgttcttcag aataaaaactg tgtaataatt ttataacttg 180
 ggagtgtccc ttgcacagag ctgtcatttg ccagtgcagag cctccgacgg ngcaggtact 240
 gtgccagggc agctctgaat tatggatatt cttatcctcc tg 282

<210> 185
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 185
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 atactaggaa atgggtgcagc ctgtaagaat gccagtttgt aagtactgac ttggaaaag 120
 atcatgcct ctatcagaca cttagggtcc tggctcggca atttggcct gatgtgatgc 180
 cacaagaccc aacagagaga gacacagagt ccaggataat gttgacagt gtgtagccct 240
 ttaggagaaa tggcgtcccc tgcggctggt attaggttac cattggcacc gaaggaacca 300
 ggaggataag aatatccata atttcagagc tgcctcggca cagtacctgc cccgtcggag 360
 gctctcactg gcaaatgaca gctctgtgca aggagcactc 400

<210> 186
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 186
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 agtgtcaagt tctttcaaac ttaaaatttt aacccagag gattttcgct gaataaatga 120
 gaattggctc tatttctct acttctggat agcccagta aaaatactaa taatttctag 180
 attttagtgg ggaactacaa ttattaggac ccatggatat tgctgcagtt caaatacaat 240
 acagtaatta caaaatatag accatctctt tacaaataca aattatagga tattacaagg 300
 catgtacagt aaatctataa ttttaacaa actagtgtat ctaagtttac ctggttgca 360

gtgcattatt attccagttt acagttgccc ttacgtgac agtcagaaac cgaccatcgg 420

agtgatattc tcttatgtaa actggcgtca catcacagaa aaccttattt atgaggtccc 480

at 482

<210> 187

<211> 459

<212> DNA

<213> Homo sapiens

<400> 187

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ctgagcagag atggttctta gtgaggttct cgctgccagt tgacggtgaa atcatagctg 180

ccattacat tttgtgagat tatgaaaaac ataagactaa agaaactaaa tgtgttattc 240

ctgtggacac aaaaatgtgt gttttcaga tggggagggg accaaaaagg aaaaacattt 300

catcttaaaa ctttctaag acaaaggaaa acaaaaaacc atgctcctac aactcaaat 360

ttttctacc aaagaaaaat ttaatttcg atgagagggt gaaccaggct taaagcagac 420

atactaggga atgggtgcag cctgtaagaa tgccagttt 459

<210> 188

<211> 487

<212> DNA

<213> Homo sapiens

<400> 188

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tttttatta aaatgcaaaa tgttcttcag aataaaaactg tgtaataatt ttatacttg 180

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gcagttcaaa tacaatacag taattacaaa atatagacca tctctttaca aatacaaatt 180
atagtatatt acaagtcatg tacagtaaat ctataatttt aaacaaacta gtgtatctaa 240

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<211> 413

<212> DNA

<213> Homo sapiens

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gagaattggc tctatttctt ctacttctgg atagcccag taaaaatact aataatttct 180

agatttttagt ggggaactac aattattagg acccatggat attgctgcag ttcaaataca 240

atacagtaat tacaaaatat agaccatctc ttacaaata caaattatag tatattacaa 300

gtcatgtaca gtaaactctat aattttaaac aaactagtgt atctaagttt acctggttgc 360

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<210> 192

<211> 476

<212> DNA

<213> Homo sapiens

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gagaattggc tctatttctt ctacttctgg atagcccag taaaaatact aataatttct 180

agatttttagt ggggaactac aattattagg acccatggat attgctgcag ttcaaataca 240

atacagtaat tacaaaatat agaccatctc ttacaaata caaattatag tatattacaa 300

gtcatgtaca gtaaactctat aattttaaac aaactagtgt atctaagttt acctggttgc 360

gagtgcatta ttattccagt ttacagttgc ccttagcgtg acagtcagaa accgaccatc 420

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<211> 406

<212> DNA

<213> Homo sapiens

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tatcatcttt ccacaagata taccagatga ctatttgcag tcttttcttt gggcaagagt 180

tccatgattt tgatactgta cctttggatc caccatgggt tgcaactgtc ttgggttttg 240

ttgtttgac ttgaaccacc ctctggtaag taagtgaatt acagagcagg tccagctggc 300

tgctctgccc ctgggtatc catagttacg gttttctctg tggcccaccc aggggtgttt 360

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<210> 194

<211> 473

<212> DNA

<213> Homo sapiens

<400> 194

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cataaatcct tttttattaa aatgcaaaat gttcttcaga ataaaactgt gtaataattt 180

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<213> Homo sapiens

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gctggtgcag aaatgcacag gtggatgaga tatagctgct cttgtcctct ggggactggt 420
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<211> 140
<212> DNA
<213> Homo sapiens

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ccaacagaga gagacacaga gtccaggnta atattgacag naggtggang cccccct 237

<210> 198

<211> 292

<212> DNA

<213> Homo sapiens

<400> 198

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tcttcttaag acattcttac tctgatccag gcaaaaacac ttcaaggttt ggaaatgact 180

ctttctgac ataaatcctt ttttattaaa atgcaaaagg ttcttcagaa taaaactgtg 240

taataatttt tatacttggg agtgctcctt gcacagagct gtcatttggc ag 292

<210> 199

<211> 434

<212> DNA

<213> Homo sapiens

<400> 199

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 ggaggataag aatatccata atttcagagc tgccctggca cagtacctgc cccgtcggag 360
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 gtaacctaat accagccgca gggagcgcca ttctcctaa agggctacac cactgtcaac 360
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<210> 201
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 <213> Homo sapiens

<400> 201
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tcctttttta ttaaaatgca aaatgttctt cagaataaaa ctgtgtaata atttttatac 180

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<211> 483

<212> DNA

<213> Homo sapiens

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ccttttttat taaaatgcaa aatgttcttc agaataaaac tgtgtaataa tttttatact 180

ttgggagtgc ccttgacac agctgtcatt ttgccagtga agcctccgaa ggggcaggta 240

ctgtgccagg gcagctctga aattatggat attcttatcc tcttggttcc ttcggtgcca 300

atggtaacct aataccagcc gcaggagcgc cattctcct aaagggtac accactgtca 360

acattatcct ggactctgtg tctctctctg ttgggtcttg tggcatcaca tcaggccaaa 420

attgccagac caggacccta agtgtctgat agaggcgatg atcttttcca aagtcagtac 480

tta 483

<210> 203

<211> 507

<212> DNA

<213> Homo sapiens

<400> 203

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cacactgaga ggacatcaga gtccaaacac atgcagagaa gctgtcaggg agcagctagg 180

agacacgcag agttgcctca cacgtggcag caggagaagg tgcaacacgg atccgactgc 240

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 gacggggcag gtactgtgcc agggcagctc tgaaattatg gatattctta tcctcctggt 360
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 ctacaccact gtcaacatta tcc 443

<210> 205
 <211> 305
 <212> DNA
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<400> 205
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 gactttggaa aagatcatcg cctctatcag acacttaggg tcctggctcg gcaattttgg 180

cctgatgtga tgccacaaga cccaacagag agagacacag agtccaggat aatgttgaca 240

gtggtgtagc cctttaggag aaatggcgct cctgcggct ggtattaggt taccattggc 300

accga 305

<210> 206

<211> 376

<212> DNA

<213> Homo sapiens

<400> 206

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ctttttatt aaaatgcaa atgttctca gaataaaact gtgtaataat tttataactt 180

gggagtgtc cttgcacaga gctgtcattt gccagtgaga gcctccgacg gggcaggtag 240

tgtgccaggg cagctctgaa attatggata ttcttactct cctggttcct tcggtgcaa 300

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<211> 544

<212> DNA

<213> Homo sapiens

<400> 207

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gctatgaaa ttgtttaa atctaagcaac aatgctgatt aatttctggt caataatcgt 240

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ctcagcagaa aagaaagcat ctacagaggac acataaaatg tctggcaacc cctcttggcg 360

gccctcatcc agcaaagctt gtgtggtctt ggcaactgtc ctcaggactc tgctttcaag 420
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agtcgacg 308

<210> 209
<211> 939
<212> DNA
<213> Homo sapiens

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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aacgaggtaa gtgaaagttt tcgctgatcc ttgtttccat caagctgacg tctgtttccc 540

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ctctttaagg ggcttttcat gcccagagac ccaaatttt 939

<210> 210
<211> 966
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<213> Homo sapiens

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<211> 692
<212> DNA

<213> Homo sapiens

<400> 211

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<210> 212

<211> 595

<212> DNA

<213> Homo sapiens

<400> 212

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aagatgacga gactgacaaa atacaccag ggcaattcaa atcccatagc atcattcatc 540
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<210> 213
<211> 999
<212> DNA
<213> Homo sapiens

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taaggccaaa agagcgacgc ggagcacgtg aacggataag aaaacgagag aaggcacggc 900
cgcatggcaa acacaccagc aagcagcaga cagcacgtgg gcacgacaca ggacagaaag 960

cagcccacct cagaggggac caacgaagag tcgcacgac 999

<210> 214
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (695)..(695)
<223> a or g or c or t/u

<400> 214
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gtttagctgt tctgaaatac ggtgtgtaag taagtcagaa cccagctacc agtgattatt 120
gcgaggggcaa tgggacctca taaataaggt ttctgtgat gtgacgccag ttacataag 180
agaatatcac tccggtggtc ggtttctgac tgcacgcta agggcaactg taaactggaa 240
taataatgca ctcgcaacca ggtaaactta gatacactag ttgtttaaa attatagatt 300
tactgtacat gacttgtaat atactataat ttgtattgt aaagagatgg tctatatttt 360
gtaattactg tattgtattt gaactgcagc aatatccatg ggtcctaata attgtagttc 420
cccactaaaa tctagaaatt attagtattt ttactcgggc tatccagaag tagaagaaat 480
agagccaatt ctcatattt cagcgaaaat cctctggggg taaaatttta agtttgaaag 540
aactgacac tacagaaatt ttctaaaat atttgagtc actataaacc tatcatcttt 600
ccacaagata taccagatga ctatttcgag tctttcttt gggcaagagt tccatgattt 660
tgatactgta cctttggatc caccatgggt tgcan 695

<210> 215
<211> 870
<212> DNA
<213> Homo sapiens

<400> 215

ggaaaagaaa tactgtttaa gagaaataac atttcaaca aaacatccct ggagtcagat 60
 tttagtigg ggtgggctaa tcaggagtc ggggctctct gcgtgatgc agttctatgg 120
 ctaactggtt ttctaaacc agccagctgc ctatcaaac agtacaactt ttctaggaaa 180
 tgcaattggc aaagacactt acgatgctga gaagtacaca aggtgaaact gctccagttt 240
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 agactgcacc gagaggtaac gtggccctca cagcccacca cgctggcct tcgccaatt 360
 ctgaaacttc gtaggataga gctggaaagt gccacatggt gaagcgagat ccagctgtct 420
 gggtgatgt cggagtccat aggctgagca gagatgggtc ttagtgaggt tctcgtgcc 480
 agttgacggt gaaatcatag ctgccattta cattttgtga gattatgaaa aacataagac 540
 taaagaaact aaatgtgtta ttctgtgga cacaaaaatg tgtgttttc agatggggag 600
 gggaccaaaa aggaaaaaca ttcatctta aaactttcct aagacaaagg aaaacaaaaa 660
 accatgctct acaactcaa attttctta caaagaaaaa tttaatatc gatgagcagg 720
 ttgaaccagg cttaaagcag acatactagg aaatggtgca gcctgtaaga atgccagttt 780
 gtaagtactg actttgaaa agatcatgc tctatcagac acttagggtc ctggtctggc 840
 cattttggcc tgatgtgatg ccaaagacc 870

<210> 216
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 216
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 gtagtgtaa gttctttcaa acttaaaatt ttaaccccag aggattttcg ctgaataaat 120
 gagaattggc tctatttctt ctacttctgg atagcccag taaaaatact aataatttct 180
 agattttagt ggggaactac aattattagg acccatggat attgctgcag ttcaataca 240
 atacagtaat tacaaaatat agaccatctc ttacaaata caaattatag tatattacaa 300

gtcatgtaca gtaaactctat tttaaacaata ctagtgtatc taagtttacc tggttgcgag 360

tgcattat 368

<210> 217

<211> 412

<212> DNA

<213> Homo sapiens

<400> 217

cttacaaga aaaatttaatt attcgatgag aggttgaacc aggcttaaag cagacatact 60

aggaaatggt gcagcctgta agaatgccag ttgttaagta ctgactttgg aaaagatcat 120

cgctctatc agacacttag ggtcctgggc tggcaatttt ggcctgatgt gatgccacaa 180

gaccaacag agagagacac agagtccagg ataattgtga cagtgggtga gccctttagg 240

agaaatggcg ctccctgcgg ctggtattag gttaccattg gcaccgaaga gaccaggagg 300

ataagaatat ccataatttc agagctgccc tggcacagta cctgccccgt cggaggctct 360

cactggcaaa tgacagctct gtgcaaggag cactcccaag tataaaaatt at 412

<210> 218

<211> 610

<212> DNA

<213> Homo sapiens

<400> 218

ccgcgtccgg tcagatggta caagtttgc tctataatta agactttcc accatcacia 60

actttaaca caaagtctaa aatcttgggc agcatagaaa ataggttcta gctaagcagg 120

agttttgtcc tctaccaaga ccttctga aaatcactta tcaagacagt ttctgtgaag 180

aaaaagccat atcccagctg atttccctc ctggggccaa aatctgctat tattcggcct 240

gaaagccttg atgactctgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 300

gtatggatgc ttgtgtgtgt gtatggggaa tatgtgatta atgtgtgttg gctgctgttg 360

tctctgattt ggctactgtt gtttctgatt taaatctaag taaatgttta attaaatga 420

tagaatgctg tctctaagt gacctctct ccttattaaa tctcttatt aaccactcc 480
 tatgagacca tcttattct tgcagatgaa tgatgctatg ggatttgaat tgccttgggt 540
 gtattttgtc agtctcgtca tctttgggtc atttttctga ctaaactctg tacttggtgt 600
 attgagcggg 610

<210> 219
 <211> 236
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (195)..(195)
 <223> a or g or c or t/u

<400> 219
 aatgcaaaat gttcttcaga ataaaactgt gtaataatt ttatacttg gatgtgctcc 60
 ttgcacagag ctgtcatttg ccagtgagag cctcgacagg caggtactgt gccagggcag 120
 ctctgaaatt atggatattc ttatcctcct ggttcctct gtgtcaatg gtaacctaat 180
 accagccgca ggacncgcca ttctcctaa agggtacac cactgtcaac attatc 236

<210> 220
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 220
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 ttttctaaaa tattttgagt cactataaac ctatcatct tccacaagat ataccagatg 120
 actatttga gtcttttct tgggcaagag ttccatgatt ttgatactgt acctttgat 180
 ccaccatggg ttgcaactgt ctttggttt gttgtttga ctgaaccac cctctggtaa 240
 gtaagtaagt gaattacaga gcaggctccag ctggctgctc tgccccttgg gtatccatag 300

ttacggtttt ctctgtggcc caccagggt gtttttgca tcgctggtgc agaatgcat 360
 aggtggatga gatatactg ctctgtcct ctggggactg gtggtgctgc ttaagaaata 420
 aggggtg 427

<210> 221
 <211> 838
 <212> DNA
 <213> Homo sapiens

<400> 221
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 gagcgggcac agtgggtcac gcctataatc ccagcacttt cggaggccga ggcagctgga 120
 ccacccgaga tcaggagttt gagaccagcc tgactaaggc agtgaaaccc tgtctctact 180
 aaaaatacaa aaattagcca ggcattggtg cgcatgcctg taatcccagc tacttgggag 240
 gctgaggcag gagaatcact tgaaccaggg aggtggagat tgcagtgagc caagactgca 300
 ccattgcatt ccagcctggg tgacaagagc aaaactccat ctcaaaaaaa aaaaaaaaaa 360
 aaaaaaaaaa agacttttct ctattcaac actttaccag catctactga cagaaaatgg 420
 acaattgaat ttctccaat atatatact ctgatatgct tgctttgtaa aagagtagtg 480
 taattgctta caacattgaa aaggttgta ttgggtcct ggggtagcca ggatatcggc 540
 atgatttgc accatattca gaataaaact gtactgcaat agtgagttaa ttccatatct 600
 tggccaacag agaattttg gccagtggct actaaggcac acggaagtcc agtctaaaag 660
 ggacagggga ggactcttg tagatagttc ttatgattaa aaaataactt cctatgtgtt 720
 gtagtgatga tttaagctga cagaatgcta aagacacccc ttatgattac ctggtagcaa 780
 agtaccttcc ccacatttaa cctggatttg cccttttggg ttgaaagag gctaaata 838

<210> 222
 <211> 904
 <212> DNA

<213> Homo sapiens

<400> 222

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aagaggctaa tacgtgaaag atttggtcac agttggatgt ccccttttct gaaccatgaa 120
gtaatatttg tgatatggag ttcgaatggc tgaggcttag gtgtgccgag aaagattcag 180
ggctccttcgg taccctcaca tggtttggct ttggtagaac aagaaactaa gctctgattt 240
ggctttaaat gagagtgcta aatttccttt ttctaataaa gaacctagct aaacatttat 300
atafactttt gaacctgaa ctttcttgtt gcagagttaa cagctgttgg gggtagctga 360
cagctggatc ctgggtgctgt tggtagcatg gtacctgaag tgcacaggct ggtagccaca 420
cctgacatta acaagtgagt ggtaacctct ctgccgctgg ctcacagcta ctgtttccat 480
agaaatggct gtcgggatca gtggaaacga ggtaagtga agttttcgct gatccttgtt 540
tccatcaagc tgacgtctgt ttccctggca acagcagtgg acagcagcca ggcgctagca 600
acagattcag tagagctctc acttgcagc tgtggctatc atctgttctt gaccaagttc 660
ttttttttt tttaataat gtacagaaag acctctgagg acccaggagg cacctctggc 720
cacatgtgcc ctcttgatg ctggtttgc agatggagag ctgtgtgctg agttgacttc 780
tctgtccgca gtccccctc cacctgtgct ctgggttgtt gatgtgccag taaaacagg 840
gaggctgctt cagggtatta gtgttgccaa ggggaggctg ttgaaatctg gttgatccca 900
aatc 904

<210> 223

<211> 935

<212> DNA

<213> Homo sapiens

<400> 223

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agatttgctc acagtggat gtcccccttt ctgaacctg aagtaatat gtgaatggag 120

ttgaatgctg aggttagggt gccggaaaga ttcagggtcc ttcggtaccc tcacatggct 180
 tggctttggt agaacaagaa actaagctct gatttggctt taaatgagag tgctaaattt 240
 ccttttcta ataaagaacc tagctaaaca ttatatata cttttgaaca ctgaacttc 300
 ttgttcaga gttaacagct gttgggggta gctgacagct ggatcctggt gctgttgga 360
 ccatggtacc tgaagtgcac aggctggtag ccacacctga cattaacaag tgagtggtaa 420
 cctctctgcc gctggctcac agctactgtt tccatagaaa tggctgtcgg gatcagtgga 480
 aacgaggtaa gtgaaagttt tcgctgatcc ttgtttccat caagctgacg tctgtttccc 540
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 tcagctgtgg ctatcatctg ttctgacca agttctttt tttttttta ataattgaca 660
 gaaagacctc tgaggacca gggagcacct ctggccacat gtgccctcct gaatgctcgt 720
 ttgcaaatg gagagctgtg tgctgagttg acttctctgt ccgcaggtcc cctccaact 780
 gtgctcctgg gttgtgatgt gcagggttaa accagggaag ctgttgaagg gtattagtgt 840
 tgccagggaagg aggtgttga attctggtg atcccaaacc cctaggggga agagaaatcc 900
 cttacgagtg gttttcatg gccaggaacc ctata 935

<210> 224
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 224
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 ttttctaaaa tattttgagt cactataaac ctatcatctt tccacaagat ataccagatg 120
 actatttgca gtcttttctt tgggcaagag ttccatgatt ttgatactgt acctttggat 180
 ccaccatggg ttgcaactgt ctttggtttt gtttgttga cttgaaccac cctctggtaa 240
 gtaagtaagt gaattacaga gcagggtccag ctggctgctc tgcccccttg gtatccatag 300
 ttacggtttt ctctgtggcc caccagggt gtttttgca tcgctggtgc agaaatgcat 360

aggtggatga gatatactg ct

382

<210> 225

<211> 461

<212> DNA

<213> Homo sapiens

<400> 225

gtatatcttg tggaaagatg ataggtttat agtgactcaa aatatttttag aaaaatttct 60

gtagtgtaa gttctttcaa acttaaaatt ttaacccag aggattttcg ctgaataaat 120

gagaattggc tctatttctt ctacttctgg atagcccgag taaaataact aataatttct 180

agattttagt ggggaactac aattattagg acccatggat atagctgcag ttcaaataca 240

atacagtaat tacaaaatat agaccatctc ttacaaata caaattatag tatattacaa 300

gtcatgtaca gtaaactctat aattttaaac aaactagtgt atctaagtt accaggttgc 360

gagtgcatta ttattccagt ttacagttgc ccttagcgtg acagtcagaa accgaccatc 420

ggagtgatat tctcttatgt aaacaggcgt cacatcacag a 461

<210> 226

<211> 557

<212> DNA

<213> Homo sapiens

<400> 226

ttttttttt tgtggaaaga tgataggttt atagtactc aaaatatttt agaaaaattt 60

ctgtagtgc aagttcttc aaacttaaaa ttttaacccc agaggatttt cgctgaataa 120

atgagaattg gctctatttc ttctacttct ggatagcccg agtaaaaata ctaataattt 180

ctagatttta gtggggaact acaattatta ggacccatgg atattgctgc agttcaaata 240

caatacagta attacaaaat atagaccatc tctttacaaa tacaaattat agtatattac 300

aagtcatgta cagtaaatct ataattttaa acaaactagt gtatctaagt ttacctggtt 360

gcgagtgcatt tattattcca gtttacagtt gcccttagcg tgacagtcag aaaccgacca 420

tcggagtgat attctcttat gtaaactggc gtcacatcac agaaaacctt atttatgagg 480

tccattgcc ctcgcaataa tcaactgtag ctgggttctg acttacttac acaccgtatt 540

tcagaacagc taaacag 557

<210> 227

<211> 481

<212> DNA

<213> Homo sapiens

<400> 227

tttggatat cttgtggaaa gatgataggt ttatagtac tcaaaatatt ttagaaaaat 60

ttctgtagtg tcaagttctt tcaaacttaa aattttaacc ccagaggatt ttcgctgaat 120

aatgagaat tggtcttatt tcttctactt ctggatagcc cgagtaaaaa tactaataat 180

ttctagattt tagtggggaa ctacaattat taggacccat ggatattgct gcagttcaaa 240

tacaatacag taattacaaa atatagacca tctctttaca aatacaaatt atagtatatt 300

acaagtcag tacagtaaat ctataattt aaacaaacta gtgtatctaa gtttacctgg 360

ttgcgagtgc attattattc cagtttacag ttgcccttag cgtgacagtc agaaaccgac 420

catcggagtg atattctctt atgtaaactg gcgtcacatc acagaaaacc ttattatga 480

g 481

<210> 228

<211> 466

<212> DNA

<213> Homo sapiens

<400> 228

tttttttg gaaagatgat aggtttatag tgactcaaaa tatttttagaa aaatttctgt 60

agtgtaagt tctttcaaac ttaaaattt aacccagag gattttcgct gaataaatga 120

gaattggctc tatttctct acttctggat agcccagta aaaatactaa taatttctag 180

attttagtgg ggaactacaa ttattaggac ccatggatat tgctgcagtt caaatacaat 240

acagtaatta caaaatatag accatctctt tacaaatata aattatagta tattacaagt 300
catgtacagt aaatctataa ttttaaaca actagtgtat ctaagtttac ctggttgca 360
gtgcattatt attccagttt acagttgccc ttagcgtgac agtcagaaac cgaccatcgg 420
agtgatattc tcttatgtaa actggcgta catcacagaa aacctt 466

<210> 229
<211> 353
<212> DNA
<213> Homo sapiens

<400> 229
cggccgcaa ctttttgaa tgagtgaagt gccaggtacc atgagaaaac cctagctggt 60
aaagatcaaa cctgagttag ttctaaattc acatacggat ttttttgca tgacgaaatc 120
tattctcttt ttctgacaa cttctccacc tagatgttg ggaaagtgc catgagagat 180
aacaaccaga tcaataggaa caataacttc cagacgttc cccaggcggg gctgctgctc 240
ttcaggtgac tgcaactggc ttgggcggg ctctgggca ggggggtccg ctaggcgtgg 300
gtccagaggg acggaggaca caggttatta aagcagtgtg cctttctcag ttg 353

<210> 230
<211> 526
<212> DNA
<213> Homo sapiens

<400> 230
taaataacta acaccatttt gttatgaaga ccttacaac ctcttcttaa gacattctta 60
ctctgatcca ggcaaaaaca cttcaagggt tgtaaatgac tcttctga cataaatcct 120
tttttatta aaatgcaaaa tgttcttcag aataaaactg tgtaataatt ttatacttg 180
ggagtgtcc ttgcacagag ctgtcatttg ccagtgaag cctccgacgg ggcaggtact 240
gtgccagggc agctctgaaa ttatggatat tcttctctc ctggttcctt cgggtccaat 300
ggtaacctaa taccagccgc agggagcgcc atttctccta aagggtaca ccaactgtcaa 360

cattatcctg gactctgtgt ctctctctgt tgggtcttgt ggcatcacat caggccaaaa 420
 ttgccagacc aggaccctaa gtgtctgata gaggcgatga tcttttccaa agtcagtact 480
 tacaaactgg cattcttaca ggctgcacca ttcttagta tgtctg 526

<210> 231
 <211> 750
 <212> DNA
 <213> Homo sapiens

<400> 231
 acttttctag gaaatgcaat tggcaaagac acttacgatg ctgagaagta cacaaggtga 60
 aactgctcca gtttttctca tagcagggtc agcaggaaag caagtgggtc ccctgggtccc 120
 atctcacaca ggtgagactg caccgagagg taactgtggc ctcacagccc accacgcctg 180
 gccttcgccc aattctgaaa ctctctagga tagagctgga aagtgccaca tgggaagcg 240
 agatccagct gtctgggtgg atgtcggagt ccataggctg agcagagatg gttcttagtg 300
 aggttctcgc tgccagttga cggtgaaatc atagctgcca ttacatttt gtgagattat 360
 gaaaaacata agactaaaga aactaaatgt gttattcctg tggacacaaa aatgtgtgtt 420
 tttagatgg ggaggggacc aaaaaggaaa aacatttcat cttaaaactt tcctaagaca 480
 aaggaaaaca aaaaccatg ctctacaact tcaaatttt cttaaaaga aaaatttaat 540
 attcgatgag aggttgaacc aggcttaaag cagacatact aggaaatggt gcagcctgta 600
 agaatgccag ttgtaagta ctgactttgg aaaagatcat cgcctctatc agacacttag 660
 ggtcctggtc tggcaatttt ggcctgatgt gatgccacaa gaccaacag agagagacac 720
 agagtccagg ataatgttga cagtgggtga 750

<210> 232
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 232
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 tgggggttaa attttaagtt tgaaagaact tgacactaca gaaattttc taaaatattt 120
 tgagtcacta taaacctatc atctttccac aagatatacc agatgactat ttgcagtctt 180
 ttctttgggc aagagttcca tgattttgat actgtacctt tggatccacc atgggttgca 240
 actgtctttg gttttgttg ttgacttga accaccctct ggtaagtaag tgaattacag 300
 agcaggcca gctggctgct ctgccccttg ggtatccata gttacggttt tctctgtggc 360
 ccaccaggg tgtttttgc atcgctggtg cagaaatgca caggtggatg agatatagct 420
 gctctgtcc tc 432

<210> 233
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 233
 ttatcttg gaaagatgat aggtttatag tgactcaaaa tattttagaa aaatttctgt 60
 agtgcaagt tcttcaaac taaaatttt aacccagag gattttcgct gaataaatga 120
 gaattggctc tatttctct acttctggat agcccagta aaaatactaa taatttctag 180
 atttagtgg ggaactacaa ttattaggac ccatggatat tgctgcagtt caaatacaat 240
 acagtaatta caaaatatag accatctctt tacaataca aattatagta tattacaagt 300
 catgtacagt aaatctataa tttaaaca actagtgtat ctaagtttac ctggttgca 360
 gtgcattatt attccagttt acagttgccc ttagcgtgac agtcagaaac cgaccatcgg 420
 agtgatatct tcttatgtaa actggcgtca catcacagaa aacctattt atgaggtccc 480
 attgccctcg caataatcac tg 502

<210> 234
 <211> 356
 <212> DNA

<213> Homo sapiens

<400> 234

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tagtgtcaag ttctttcaaa cttaaaattt taaccccaga ggattttcgc tgaataaatg 120
agaattggct ctatttcttc tacttctgga tagcccgagt aaaaatacta ataatttcta 180
gatttttagtg gggaactaca attattagga cccatggata ttgctgcagt tcaaatacaa 240
tacagtaatt aaaaaatata gaccatctct ttacaaatac aaattatagt atattacaag 300
tcatgtacag taaatctata attttaaaca aactagtgtg tctaagtta cctggt 356

<210> 235

<211> 442

<212> DNA

<213> Homo sapiens

<400> 235

atcttggtga aagatgatag gtttatagt actcaaaata ttttagaaaa atttctgtag 60
tgtcaagttc ttcaaactt aaaattttaa cccagagga ttttcgctga ataatgaga 120
attggctcta ttctctctac ttctggatag cccgagtaaa aatactaata atttctagat 180
tttagtgggg aacctacaat tattaggacc catggatatt gctgcagttc aaatacaata 240
cagtaattac aaaatataga ccattctctt acaaatacaa attatagtat attacaagtc 300
atgtacagta aatctataat tttaacaaa ctagtgtatc taagtttacc tggttgcgag 360
tgcattatta ttccagtita cagttgccct tagcgtgaca gtcagaaacc gaccatcgga 420
gtgatattct cttatgtaaa ct 442

<210> 236

<211> 552

<212> DNA

<213> Homo sapiens

<400> 236

ttttttcaa ataattacaa gctcagcggc tgaaatctac aaatggggac taccaaaagc 60

ccaccaatc cagctcattt tgctatcgtt ttataacaat taatctgcat tatatttgga 120
 tccagacaaa taaagcaatt ataatgtat ctactttag aacagacaaa aaaagggcat 180
 gctatggaaa ttgtttaaat ctcaagcaac aatgctgatt aatttctggt caataatcgt 240
 tctatagttc tccttcatga agcctggtga ggtccaggg aaacagcttg atttggaag 300
 cctcagcaga aaagaaagca tctcagagga cacataaaat gtctggcaac ccctcttggc 360
 ggccctcatc cagcaaagct tgtgtggtct tggcaactgt cctcaggact ctgctttcaa 420
 gatgaaagag gtgtagctta cccgctcaat acaccaagta caagatttag tacgaaaaat 480
 gacccaaaga tgacgagact gacaaaatac acccagggca attcaaatcc catagcatca 540
 ttcactgca ag 552

<210> 237
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 237
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<212> DNA
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<210> 263

<211> 453

<212> DNA

<213> Homo sapiens

<400> 263

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tgaataaatg aaaattggct ctatttcttc aacttcggga tagcccgagt aaaaatacta 180

ataatttcta aattttaggg gggaactaca attattagga cccatggata ttgctgcagt 240

tcaaatacaa tacagtaatt acaaaatata gaccatctct ttacaaatac aaattatagt 300

atattacaag tcatgtacag taaatctata attttaaca aactagtgt tctaagtta 360

cctggttgag agtgcaattt tttccagtt tacagttgcc cttagcgtga cagtcagaaa 420

ccgaccatcg gagtgatatt ctcttatga aac 453

<210> 264

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (311)..(311)

<223> a or g or c or t/u

<400> 264

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attgtgaatg gagtgaatg ctgaggtag ggtgccggaa agattcaggg tccttcgta 180

ccctcacatg gcttggtttt ggtagaaca gaaactaagc tctgatttgg ctttaaatga 240

gagtgcataa ttccctttt ctaataaaga acctagctaa acatttatat atacttttga 300
 aactgaact ntctgttgc agagttaaca gctgttgggg gtagctgaca gctggatcct 360
 ggtgctgttg gtaccatggt acctgaagtg cacaggctgg tagccacacc tgaca 415

<210> 265
 <211> 646
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (43)..(43)
 <223> a or g or c or t/u

<220>
 <221> misc_feature
 <222> (573)..(573)
 <223> a or g or c or t/u

<400> 265
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 ctttggaata gatcatcgcc tctatcagac acttagggtc ctggtctggc aattttggcc 180
 tgatgtgatg ccacaagacc caacagagag agacacagag tccaggataa tgttgacagt 240
 ggtgtagccc ttaggagaa atggcgctcc ctgcggctgg tattaggta ccattggcac 300
 cgaaggaacc aggaggataa gaatatccat aatttcagag ctgccctggc acagtacctg 360
 ccccgctgga ggctctcact ggcaaatgac agctctgtgc aaggagcact cccaagtata 420
 aaaattatta cacagtttta ttctgaagaa cattttgcat ttaataaaa aaggatttat 480
 gtcaggaaag agtcatttac aaaccttgaa gtgtttttgc ctggatcaga gtaagaatgt 540
 ctaagaaga ggtttgtaag gtcttcataa canagtgggtg ttgttattt acaaaaaaaaa 600
 aaaaaaaaaa aataaaaaaaaa aaaaaaaaaa cctcgtgccg aattct 646

<210> 266
<211> 668
<212> DNA
<213> Homo sapiens

<400> 266
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cttcttaaga cattcttact ctgatccagg caaaaacact tcaagggttg taaatgactc 120

tttctgaca taaatccttt ttattaaaa tgcaaatgt tcttcagaat aaaactgtgt 180

aataatttt atacttgga gtgctccttg cacagagctg tcatttgcca gtgagagcct 240

ccgacagggc aggtactgtg ccagggcagc tctgaaatta tggatattct tctcctcctg 300

gttccttcgg tgccaatggg aacctaatc cagccgcagg gagcgccatt tctcctaaag 360

ggctacacca ctgtcaacat tctcctggac tctgtgtctc tctctgttgg gtcttgtggc 420

atcacatcag gccaaaattg ccagaccagg accctaagt tctgatagag gcgatgatct 480

tttccaaagt cagtacttac aaactggcat tcttacaggc tgcaccattt cctagtatgt 540

ctgctttaag cctgggtcaa cctctcatcg aatattaaat tttctttgt aagaaaaatt 600

tgaagtgtga gagcatggtt tttgttttc cctgtctta ggaaagtttt aagatgaaat 660

gtttttcc 668

<210> 267
<211> 496
<212> DNA
<213> Homo sapiens

<400> 267
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gtgcccctgg tcccatctca cacaggtgag actgcaccga gaggtaacgt ggccctcaca 120

gccaccacg cctggccttc gcccaattct gaaacttct aggatagagc tggaaagtgc 180

cacatggtga agcgagatcc agctgtctgg gtggatgtcg gagtccatag gctgagcaga 240

gatggttctt agtgagggtc tcgctgccag ttgacgggtga aatcatagct gccatttaca 300

ttttgtgaga ttatgaaaaa cataagacta aagaaactaa atgtgttatt cctgtggaca 360

caaaaatgtg tgtttttcag atggggaggg gaccaaaaag gaaaaacatt tcattctaaa 420

acttcctaa gacaaaggaa aacaaaaaac catgctctac aactcaaatt tttcttaca 480

aagaaaaatt taatat 496

<210> 268

<211> 701

<212> DNA

<213> Homo sapiens

<400> 268

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ggaaacctg tcaatcatgt taatagtgtat aggagagatt ccttcagca gaccaatacc 120

accacccgct cctgcatgt ccaaaggcct tcaattccac ctgcaagtga tactgagaaa 180

ccgctgttct ctccagcagg aaattcggtg tgcataacc atcataacca taattccata 240

ggaaagcaag tcccacctc aacaaatgcc aatctcaata atgccaatat gtccaaagct 300

gcccattgaa agcggcccag catagggaac cttgagcatg tgtctgaaaa tgggcatcat 360

tcttcccaca agcatgaccg ggagcctcag agaagggtcca gtgtgaaaag gtccgactca 420

ggagatgaac agtcccaac tattggccgg gaagaccag agatacatgg ctatttcagg 480

cacccccacg gcttggggga gcaggagtat ttcagtagtg aggaatgcta cgaggatgac 540

agctcgccca cctggagcag gcaaaactat ggctactaca gcagataccc aggagaaaac 600

atcgactctg agaggcgcga ggctacatca tccaagatt ctggaggaga tgactcgccg 660

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<210> 269

<211> 515

<212> DNA

<213> Homo sapiens

<400> 269

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gtcaagttct ttcaaaactta aaattttaac cccagaggat tttcgtgaa taaatgaaaa 120

ttggctctat ttcttctact tctggatagc ccgagtaaaa atactaataa tttctagatt 180

ttagtgggga actacaatta ttaggaccca tggatattgc tgcagttcaa atacaatata 240

gtaattacaa aatatagacc atctctttac aaatccaaat tatagtatat tacaagtcac 300

gtaccgtaaa tctattttta acaaaactagg gtatctaagt ttacctgggt gcaagtcac 360

tattattcca gtttacagtt gcccttagcg tgacagtcag aaaccgacca tcggagtgat 420

attctcttat gtaaactggc gtcacatcac agaaaacctt atttatttg gggaaagggt 480

ttaaaaatgg atatgttggg cccagtgact gatac 515

<210> 270

<211> 258

<212> DNA

<213> Homo sapiens

<400> 270

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gtgatgccac aagaccaaac agagagagac acagagtcca ggataatgtt gacagtgggtg 120

tagcccttta ggagaaatgg cgctccctgc ggctgggtatt aggttaccat tggcaccgaa 180

ggaaccagga ggataagaat atccataatt tcagagctgc cctggcacgg tacctgcccc 240

gtcggaggct ctactgg 258

<210> 271

<211> 510

<212> DNA

<213> Homo sapiens

<400> 271

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gacgagcccc acatctccta ccggactttc acaccagcca gcctgactgt cccagcagc 120
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atatccgaag gcttgggacg ctatgcaagg gacccaaaat ttgtgtcagc aaaaaaacac 240
gagatcgctg atgcctgtga cctcaccatc gacgagatgg agagtgcagc cagcacctg 300
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gactatgagc tacaggactt tggctctggc tacagcgacg aagggccaga ccctgggagg 420
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ggcagactgg ctctggcctc aggtggggcg 510

<210> 272
<211> 405
<212> DNA
<213> Homo sapiens

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<222> (75)..(75)
<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (142)..(142)
<223> a or g or c or t/u

<400> 272
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gccacatccc cgttntctgg gacgcacgac ccattaagca ggggtgctggc tgccccctcc 120
atctcgtcga tggagaggtc ancaggcatc agcgatttcg tgttttgtgt gcgtgacaca 180
aatTTTgggt cccttgcata cgcgtccac agccttacgg agtatcagcg actgctctcc 240
accaatgctg cccgcgactc ctactgcttg tccgtgttt ttgggtccgg aagctgctgg 300
ggacagtcag gctggctggg gtgaaagtcc ggtaggagat gtcgggctcg tctgtgtacc 360

aggagctgcg gtgcagggac ggcaggctgc cggtcacctg gtccg

405

<210> 273

<211> 892

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (27)..(27)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (35)..(35)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (42)..(42)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (49)..(49)

<223> a or g or c or t/u

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<222> (831)..(831)

<223> a or g or c or t/u

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<222> (835)..(835)

<223> a or g or c or t/u

<400> 273

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aggacagaat ttaattagaa acaacactaa ccacaagagc ctagcacaac ccaaactcag 180

agcttctggtg taatctcaat gcgatggatt cattacacag accatcttat taaaattctc 240

atctgagagc taatcagcat tgaatgcac atttatttta tgacaccaa attaactgca 300
 gtgattcttt aagcatgggg acacgtgact cccactctca gccccgaggg atgacagcca 360
 agagcctggc ttctgcccaa gattccatcc gttttggtct gcagtgcac gtcaaccatg 420
 atccacaaag cagcaacccg ggggctgtag ctgccgtgat gcgggggtaa gcctggcagg 480
 ctgcaactgt tgcagggctc ccaacacagc ccctggacaa acgcgtcagg ggaaaatagg 540
 gttacctggc aatcttttc ctctccttt ctccgcttc ttctttctga gcagtgttca 600
 gactttcagc atcagccaaa gtgtctacag cgatggccaa gaagacattc agtagaatat 660
 ctaattacaa ctttttaagg gcacaacaca ctactaaatg caactacgtg cggccaacaa 720
 tggcaacgcc acacacctct gcacccggg aagctgggta gtaggtgacg tccccaagtg 780
 ttatactcac acagcaaacc tagagtacca gagccctgct ttcaaacaa nacanaacaa 840
 acaacaacc caaagtaaaa cctggaagg gacgtcttca gaagtaaatt ac 892

<210> 274
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 274
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 acaggtgaca ctgcaccgag aggtaacgtg gccctcacag cccaccacgc ctggccttcg 120
 cccaattctg aaacttcgta ggatagagct ggaaagtggc acatggtgaa gcgagatcca 180
 gctgtctggg tggatgtcgg agctccatag gctgagcaga gatggttctt agtgaggttc 240
 tcgctgccag ttgacggtga aatcatagct gccatttaca ttttgtgaga ttatgaaaaa 300
 cataagacta aagaaactaa atgtgttatt cctgtggaca caaaaatgtg tgttttcag 360
 atgggggaggg gaccaaaaag gaaaaacatt tcactttaa actttcctaa gacaaaggaa 420
 aacaa 425

<210> 275
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)..(10)
<223> a or g or c or t/u

<400> 275
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agcctacgcg gatcggggtg gtcttgctaa gaatgaagaa agcgctccct tcagggatgg 120
gggcaatttt ttcttcatg ttcaactccg agatccttcg aggacggggg cgggcaggaa 180
cctcaggttc atcctctccc tcttctctt cctcttcccc tacgggcaca tcgcaaggcg 240
gataggggtc cttgtcttca tctctcttc tatagtcac aattgtaacc ttgtgtcac 300
tgttggtat ctggttgact tctggttgt tgttctttt atttctagg ctctctttc 360
tggcaatctt ttctctccc tttcttccg ctctctttt ctgagcagt ttcagacttt 420
cagcatcagc caaatggtct a 441

<210> 276
<211> 165
<212> DNA
<213> Homo sapiens

<400> 276
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tggagatctc cgtgaatcat agcaaacggg cgagtcacg tctacaaga atcctagtgg 120
atgatggtag cctcggggcc tctcagagtc gatgtttctg cctgg 165

<210> 277
<211> 330
<212> DNA

<213> Homo sapiens

<400> 277

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agcatcccac cggagatcct ccttcaactt tgagtgcctg cgccggcaga gcagccagga 120
agaggtcccg tcgtctccca tcttccccca tcgcacggcc ctgcctctgc atctaataca 180
gcaacagatc atggcagttg ccggcctaga ttcaagtaaa gcccagaagt actcaccgag 240
tcactcgacc cggccgtggg ccacccctcc agcaaccctt ccctaccggg actggacacc 300
gtgctacacc ccccatgatga cgccgatga 330

<210> 278

<211> 401

<212> DNA

<213> Homo sapiens

<400> 278

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cctcccaccc cagcatccca ccggagatcc tcttcaact ttgagtgcct gcgccggcag 180
agcagccagg aagaggtccc gtcgtctccc atcttcccc atgcacggc cctgcctctg 240
catctaatac agcaacagat catggcagtt gccggcctag attcaagtaa agcccagaag 300
tactaccga gtcactcgac ccggctgtgg gccacccctc cagcaacccc tccctaccgg 360
gactggacac cgtgctacac ccccagatg acgccgatgt a 401

<210> 279

<211> 431

<212> DNA

<213> Homo sapiens

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<222> (321)..(321)

<223> a or g or c or t/u

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<222> (354)..(355)
<223> a or g or c or t/u

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<222> (373)..(373)
<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (401)..(401)
<223> a or g or c or t/u

<400> 279
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ggaggggtgg cccacgaccg ggtcgagtga ctcggtgagt acttctgggc ttacttgaa 120
tctagcccg caactgcat gatctgttc tgcattagat gcagaggcag ggccgtgcga 180
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aagttgaagg aggatctccg gtgggatgct ggggtgggag gtagtaggcg tctccttgga 300
gatctccgtg aatcatagca nacgggcgag tcactgtcct ccaagaatcc ttgnngatga 360
tggtagcctc ggngcctctc agatcgatg ttctgcctg ngtatctgct cgggcgagcc 420
ggtaccgagc t 431

<210> 280
<211> 330
<212> DNA
<213> Homo sapiens

<400> 280
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ggaggggtgg cccacgaccg ggtcgagtga ctcggtgagt acttctgggc ttacttgaa 120
tctagcccg caactgcat gatctgttc tgcattagat gcagaggcag ggccgtgcga 180

tgggggaaga tgggagacga cgggacctct tcctggctgc tctgccggcg caggcactca 240

aagttgaagg aggatctccg gtgggatgct ggggtgggag gtagtaggcg tctccttgga 300

gatctccgtg aatcatagca aacgggcgag 330

<210> 281

<211> 183

<212> DNA

<213> Homo sapiens

<220>

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<222> (42)..(42)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (70)..(70)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (133)..(133)

<223> a or g or c or t/u

<400> 281

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ccaaaatttn tticagcaac aaaacacgaa atcgctgatg cctgtaacct caccatcgac 120

gagatggaga gtncagccag caccctgctt aatgggaacg tgcgtccccg agccaacggg 180

gat 183

<210> 282

<211> 132

<212> DNA

<213> Homo sapiens

<400> 282

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tcggaggctc tcactggcaa atgacagctc tgtgcaagga gcactcccaa gtataaaaat 120

tattacacag tt

132

<210> 283

<211> 358

<212> DNA

<213> Homo sapiens

<400> 283

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ccaagtataa aaattattac atagttttat tctgaagaac atttgcatt ttaataaaaa 180

aggatttatg tcaggaaaga gtcatttaca taccttgaat tgttttgcc tggatcagag 240

taagaatgac ttaagaagag gtttgaagg tcttcataac aaagtgggtg ttgtattta 300

caaaaaaaaa aaaaaaaaaa atttttatc cgggtttgtc tgtatacaa ttctctg 358

<210> 284

<211> 289

<212> DNA

<213> Homo sapiens

<400> 284

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ataaacctat catctttcca caagatatac cagatgacta ttgcagtct ttctttggg 180

caagagtcc atgattttga tactgtacct ttggatccac catgggttgc aactgtcttt 240

ggttttgttt gtttgacttg aaccaccctc tggaaagcta ctctggaaa 289

<210> 285

<211> 889

<212> DNA

<213> Homo sapiens

<400> 285

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 ccaaggatat cgaaggcttg ttgggagcgg gaggggggcg gaatctggtc gccactccc 180
 tctctgacca gccaccagc gcgctacgt tgatgcctgt gtcaatatgc ccccttgatc 240
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 tgtccgtgga gcaccggaca ttggctcgt gtggcctgtg gccggtacca gtcttgggct 600
 ctcggtgtgt ggctggacac gccggtgtg ttcggggag accgcacca ccaggttcct 660
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 gggcgaagaa agctttccga cgcaggcgt tgccggagctg gcgggacatc gggacacttc 780
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<210> 286
 <211> 1356
 <212> DNA
 <213> Homo sapiens

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 ccaaggatat cgaaggcttg ctgggagcgg gaggggggcg gaatctggtc gccactccc 180
 ctctgaccag ccaccagcg gcgcctacgc tgatgcctgc tgtcaactat gccccttgg 240
 atctgccagg ctcggcggag ccgccaagc aatgccacc atgcctggg gtgccccagg 300

ggacgtcccc agctcccggtg ccttatgggtt actttggagg cgggtactac tctgccgag 360
 tgtcccgagg ctcgctgaaa ccctgtgccc aggcagccac cctggccgag taccgagcgg 420
 agactccac ggccggggaa gactaccca gccgccccac tgagtttggc ttctatccgg 480
 gatatccggg aacctaccag cctatggcca gtacctgga cgtgtctgtg gtgcagactc 540
 tgggtgctcc tggagaaccg cgacatgact ccctgttggc tgtggacagt taccagtctt 600
 gggctctcgc tgggtggctgg aacagccaga tgtgttggca gggagaacag aaccaccag 660
 gtcccttttg gaaggcagca ttgcagact ccagcgggca gcacctctt gacgcctgcg 720
 cctttcgtcg cggccgcaag aaacgcattc cgtacagcaa ggggcagttg cgggagctgg 780
 agcgggagta tgcggctaac aagttcatca ccaaggacaa gaggcgcaag atctcggcag 840
 ccaccagcct ctcggagcgc cagattacca tctggtttca gaaccgccgg gtcaaagaga 900
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<210> 287
 <211> 727
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 <213> Homo sapiens

<400> 287
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 tcccgagct cgctgaaacc ctgtgccag gcagccacc tggccgcgta cccgcggag 420
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 ggtgctctg gagaaccgcg acatgactcc ctgttcctg tggacagta ccagtctgg 600
 gctctcgtg gtggctggaa cagccagatg tgtgccagg gagaacagaa cccaccaggt 660
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 ctttcgt 727

<210> 288
 <211> 793
 <212> DNA
 <213> Homo sapiens

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 gctccatgga gcccggcaat tatgccacct tggatggagc caaggatac gaaggcttgc 180
 tgggagcggg aggggggcgg aatctggtcg cccactcccc tctgaccagc caccagcgg 240
 cgctacgct gatgcctgt gtcaactatc ccccttgga tctgccaggc tcggcggagc 300
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 cttatggtta ctttgaggc ggggtactact cctgccgagt gtcccggagc tcgtgaaac 420
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 aacgcattcc gta 793

<210> 289
 <211> 759
 <212> DNA
 <213> Homo sapiens

<400> 289
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 gccaccttgg atggagccaa ggatatcga ggcttgctgg gagcgggagg ggggcggaat 180
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<210> 290
<211> 614
<212> DNA
<213> Homo sapiens

<400> 290
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cgccagatta ccatctggtt tcagaaccgc cgggtcaaag agaagaaggt tctcgccaag 180
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<210> 291
<211> 318
<212> DNA
<213> Homo sapiens

<400> 291
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ggcagctagt actggtatc gtgattattg cactgtcag gatgaatgat tatgactggg 180
ccaggttctt tgggaaccct ggtggagtgg gctgtcacat ggggttccgt ctccctgcac 240
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318

<210> 292

<211> 1483

<212> DNA

<213> Homo sapiens

<400> 292

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gcttgctggg agcgggaggg gggcggaatc tggcgccca ctccctctg accagccacc 180

cagcggcgc tacgtgatg cctgtgtca actatgcccc cttggatctg ccaggctcgg 240

cggagccgcc aaagcaatgc caccatgcc ctgggggtgcc ccaggggacg tccccagctc 300

ccgtgcctta tggttacttt ggaggcgggt actactcctg ccgagtgtcc cggagctcgc 360

tgaaacctg tgccaggcag ccacctggc cgcgtaacc gacggagact ctcacgtgcg 420

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taccagccta tggcagttac ctggacgtgt ctgtggtgcc gactctgggt gctcctggag 540

aaccgcggac atgactcctt gtttgctgtg cgacgtcac cagtctgggc tcctcgtcgg 600

tggtcgact cccactttt gccgggcgac atccccggg gcccttcg gaacagcgac 660

cttcgagcc cccggggaca cccccgta agcggcctat catcgtgat aaacctcacc 720

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tcgaaccgcc caatatctgg ttctaacca tggcgcatct cagccgctag agagccaacc 840

aaacgcgcca cgcgcaacca cactacacca cggcaccct ttcattcac tcccagccg 900

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<210> 293
<211> 758
<212> DNA
<213> Homo sapiens

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<222> (561)..(561)
<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (656)..(656)
<223> a or g or c or t/u

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ggatggagcc aaggatatcg aaggcttgct gggagcggga ggggggcgga atctggtcgc 180
ccactcccct ctgaccagcc acccagcggc gcctacgtg atgcctgctg tcaactatgc 240
ccccttgat ctgccaggct cggcggagcc gccaaagcaa tgccacccat gccctggggt 300
gccccagggg acgtccccag ctcccgctcc ttatggttac ttggaggcg ggtactactc 360
ctgccgagtg tcccgagct cgctgaaacc ctgtgccag gcagccaccc tggccgcgta 420
ccccgcggag actcccacgg ccggggaaga gtacccagc cgcccactg agtttgcctt 480

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ccagtcttgg gctctcgctg gtggcctgga acagcccaga tgtgtttgcc cagggnagaa 660
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gcggggccaa ccacccctc ccctggacag gccctggt 758

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<211> 476
<212> DNA
<213> Homo sapiens

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ctcggagcgc cagattacca tctggttca gaaccgccg gtcaaagaga agaaggttct 180
cgccaagggtg aagaacagcg ctaccctta agatatctcc tgcctgggt gggaggagcg 240
aaagtggggg tgtcctgggg agaccaggaa cctgccaaagc ccaggctggg gccaaaggact 300
ctgctgagag gccctagag acaacacct tcccaggcca ctggtgctg gactgttct 360
caggagcggc ctgggtacct agtatgtga gggagacgga acccatgtg acagcccatt 420
ccaccagggt tccaaagaa cctggcccag tcataatcat tcactctgac agtggc 476

<210> 295
<211> 552
<212> DNA
<213> Homo sapiens

<400> 295
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tatcgggcta acaagttcat caccaaggac aagaggcgca agatctcggc agccaccagc 120
ctctcggagc gccagattac catctggtt cagaaccgcc gggtaaaga gaagaaggtt 180

ctcgccaagg tgaagaacag cgctaccct taagatatct ccttgcctgg gtgggaggag 240
 cgaaagtggg ggtgtcctgg ggagaccagg aacctgccaa gcccaggctg gggccaagga 300
 ctctgtgag agggccctag agacaacacc ctcccaggc cactggctgc tggactgttc 360
 ctcaggagcg gcctgggtac ccagtatgtg caggagacg gaacccatg tgacagccca 420
 ctccaccagg gtcccaaag aacctggccc agtcataatc attcatctg acagtggcaa 480
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<210> 296
 <211> 447
 <212> DNA
 <213> Homo sapiens

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 ctcgagcgc cagattacca tctggttca gaaccgccgg gtcaaagaga agaaggttct 180
 cgccaagggt aagaacagcg ctaccctta agagatctcc ttgcctgggt gggaggagcg 240
 aaagtggggg tgcctgggg agaccaggaa cctgccaagc ccaggctggg gccaaaggact 300
 ctgtgagag gccctagag acaacacct tcccaggcca ctggctgctg gactgttct 360
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 ccaccagggt tcccaaagaa cctggcc 447

<210> 297
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 297
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cggtttctaa agtgctctac aaagctctaa ataaaaata tgaggctaac gatcatggca 120
 gctagtactg gttatcgga ttattgccac tgcaggatg aatgattatg actgggccag 180
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 tctctagggg cctctcaaca aagtcttgg cccagcctg ggcttggcag gttctggtc 360
 tccccaggac accccactt tcgctctcc caccaggca aggagatctc ttaagggg 418

<210> 298
 <211> 405
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (6)..(6)
 <223> a or g or c or t/u

<220>
 <221> misc_feature
 <222> (380)..(380)
 <223> a or g or c or t/u

<400> 298
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 aagaaggttc tcgccaaggt gaagaacagc gctacccctt aagagatctc cttgcctggg 180
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 ggactgttcc tcaggagcgg cctgggtacc catgtatgtg caggagacg gaacccatg 360
 tgacagccca ctccaccagn gttcctaaag aaccctggcc agtca 405

<210> 299
 <211> 369

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (301)..(301)
<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (318)..(318)
<223> a or g or c or t/u

<400> 299
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ggagcgggag gggggcggaa tctggtcgcc cactccctc tgaccagcca ccagcggcg 240
cctacgctga tgcctgctgt caactatgcc ccttggtatc tgccaggctc ggcggtct 300
naaagcatat gccaccnat gccctggggt gcccagggg aacgtccca gctccctgc 360
cttatggtt 369

<210> 300
<211> 374
<212> DNA
<213> Homo sapiens

<400> 300
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gaaagtgggg gtgtcctggg gagaccagga acctgccaag ccaggtctgg ggccaaggac 300
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tcaggagcgg cctg

374

<210> 301

<211> 337

<212> DNA

<213> Homo sapiens

<400> 301

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aggcccctag agacaacacc ctcccaggc cactgtgtg ggactgttcc tcaggagcgg 180

cctgggtacc cagtatgtgc agggagacgg aaccccatgt gacagcccac tccaccaggg 240

ttcccaaaga acctggccca gtcataatca ttatcctga cagtggcaat aatcacgata 300

accagtactc agctgcatg atcgtagcc tcatatt 337

<210> 302

<211> 452

<212> DNA

<213> Homo sapiens

<400> 302

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actagctgcc atgatcgta gcctcatatt ttctatctag agctctgtag agcacttgta 360

gaaaccgctt tcatgaattg agctaattat gaatagattt ggaaggggaa aaaagtggaa 420

aaagttttgc ccaaagtggg tcgtttacgt cg 452

<210> 303
<211> 358
<212> DNA
<213> Homo sapiens

<400> 303
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acgtccaggt aactggccat agctgagtag gttcccggat atcccggata gaaggcaaac 180
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<210> 304
<211> 474
<212> DNA
<213> Homo sapiens

<400> 304
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gagtgtcccg gagctcgtg aaacctgtg ccaggcagc caccctggcc gcgtaccccg 420
cgatgactcc cacggccggg gaagagtacc ccagccgccc cactgagttt gcct 474

<210> 305
<211> 739
<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

<220>

<221> misc_feature

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<223> a or g or c or t/u

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<221> misc_feature

<222> (730)..(730)

<223> a or g or c or t/u

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gctccatgga gcccggcaat tatgccacct tggatggagc caaggatac gaaggcttgc 180

tgggagcggg agggggggcg aatctggtcg cccactcccc tctgaccagc caccagcgg 240

cgcctacgct gatgcctgct gtcaactatg ccccttgga tctgccaggc tcggcggagc 300

cgccaaagca atgccacca tgccctgggg tgccccaggg gacgtccca gctcccgtgc 360

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cctgtgccca ggcagccacc ctggccgctg accccgcgga gactccacg gccggggaag 480

agtaccccag ccgcccact gagtttgct tctatccggg atatccgga acctaccagc 540

ctatggccag ttacctgga cgtgtctgtg gtgcagactc tgggtgctc tggagaaccg 600

cgacatgact ccctgntgcc tgtggacagt taccagtctt gggctctcgc tgggtgctgg 660

aacagccaga tgtgtgnca gggagaacag aaccaccag gtccctttg gaaggcagat 720

ttgcagactn cagcgggca

739

<210> 306
<211> 924
<212> DNA
<213> Homo sapiens

<400> 306
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ccctgttgc tgtggacagt taccagtctt gggctctcgc tgggtggctgg aacagccaga 240
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cgtacagcaa ggggcagttg cgggagctgg agcgggagta tgcggctaac aagttcatca 420
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<210> 307
<211> 566
<212> DNA
<213> Homo sapiens

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<222> (421)..(421)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (541)..(541)

<223> a or g or c or t/u

<400> 307

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tccacaggca acagggagtc atgtcgcggt tctccaggag caccagagt ctgcaccaca 180

gacacgtcca ggtaactggc cataggctgg taggttcccg gatatcccgg atagaaggca 240

aactcaatgg ggcggctggg gtactcttcc ccggccgtgg gagtctccgc ggggtacgcg 300

gccagggtgg ctgcctgggc acagggtttc agcgagctcc gggacactcg gcaggagtag 360

tacccgcctc caaagtaacc ataaggcacg ggagctgggg acgtcccctg gggcacccca 420

nggcatgggt ggcatgtt ttggcggctcc gccgagcctg gcagatcaa gggggcatag 480

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<210> 308

<211> 526

<212> DNA

<213> Homo sapiens

<220>

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<223> a or g or c or t/u

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<222> (501)..(501)

<223> a or g or c or t/u

<400> 308

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 tccacaggca acagggagtc atgtcgcggt tctccaggag caccagagt ctgcaccaca 180
 gacacgtcca ggtaactggc cataggctgg taggttcccg gatatcccgg atagaaggca 240
 aactcagtgg ggcggctggg gtactcttcc ccgccgtggg agtctccgcg gggtagcggg 300
 ccagggtggc tgctgggca cagggtttca gcgagctccg ggacactcgg caggagtagt 360
 accgcctcc aaagtaacca taaggcacgg gagctgggga cgtcccctgg ggcaccccag 420
 ggcatgggtg gcattgcttt ggcggctccg ccgagcctgg cagatccaag gnggcatagt 480
 tgacagcagg catcagcgta ngcgccgctg ggtggctgtc aagagg 526

<210> 309
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 309
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 cagatgtgtt gccagggaga acagaacca ccaggctcct ttggaaggc agcatttgca 180
 gactccagcg ggcagcacc tcctgacgcc tgcgccttcc gtcgcggccg caagaaacgc 240
 attccgtaca gcaaggggca gttgcgggac tggagcggga gtatgcggct aacaagtca 300
 tcaccaagga caagaggcgc aagatctcgg cagccaccag cctctcggag cgccagatta 360
 ccatctggtt tcagaaccgc cgggtcaaag agaagaaggt tctcgccaag gtgaagaaca 420
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<210> 310
 <211> 545
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (427)..(427)

<223> a or g or c or t/u

<400> 310

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gttctgttct ccctggcaac acatctggct gttccagcca ccagcgagag cccaggactg 120

gtaactgtcc acaggcaaca gggagtcacg tcgcggttct ccaggagcac ccagagtctg 180

caccacagac acgtccaggt aactggccat aggctggtag gttcccgat atcccggata 240

gaaggcaaac tcagtggggc ggctggggta ctctccccg gccgtgggag tctccgcggg 300

gtacgcggcc aggggtggctg cctgggcaca gggtttcagc gagctccggg acactcggca 360

tgagtagacc cgccttcaa gtaaccataa ggcacgggag ctggtaacgt cccctggggc 420

acccanggc catgggtgca ttgcttggc ggctccgccg agccctgcag atccaaggtg 480

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gcgac

545

<210> 311

<211> 438

<212> DNA

<213> Homo sapiens

<220>

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<222> (366)..(366)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (375)..(375)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (415)..(415)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (419)..(420)

<223> a or g or c or t/u

<400> 311

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agactggtaa ctgtccacag gcaacaggga gtcatgtcgc ggttctccag gagcaccag 180

agtctgcacc acagacacgt ccaggtaact ggccataggc tggtaggttc ccgatatcc 240

cggatagaag gcaaactcag tggggcgact ggggtactct tcccgccgt ggggagtctc 300

cgcggggtac gcggccaggg gtggctgcct gggcaccagg ggttcagcg agtccggga 360

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ggacgtcccc tggggcac 438

<210> 312

<211> 370

<212> DNA

<213> Homo sapiens

<400> 312

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ttccaaaagg gacctggtgg gttctgttct ccctggcaac acatctggct gttccagcac 120

cagcgagacc caagactggt aactgtccac aggcaacagg gagtcatgtc gcggttctcc 180

aggagcacc agagtctgca ccacagacac gtccaggtaa ctggccatag ctaggtaggt 240

tcccgatat cccggataga aggcaaac agtggggcga ctgggtact ctccccggc 300

cgtgggagtc tccgcggggt acgcccattg gtggctgcct gggcacaggg ttccagcgag 360

ctccgggaca 370

<210> 313
<211> 495
<212> DNA
<213> Homo sapiens

<400> 313
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tggtgggttc tgtctccct ggcaacacat ctggctgttc cagccaccag cgagagccca 120
agactggtaa ctgtccacag gcaacaggga gtcatgtcgc ggttctccag gagcaccag 180
agtctgcacc acagacacgt ccaggtaact ggccataggc tgtaggttc ccggatatcc 240
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cgcggggtac gcggccaggg tggctgcctg ggcacagggt ttcagcgagc tccgggacac 360
tcggcaggag tagtaccgc ctcaaagta accataaggc acgggagctg gatgcgtccc 420
ctagggcacc ccattggcatg ggtggcattg ctttggcggc tccgccgagc ctggcagatc 480
caaggaggca ctgtt 495

<210> 314
<211> 408
<212> DNA
<213> Homo sapiens

<400> 314
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tctccctggc aacacatctg gctgttccag ccaccagcga gaccaagac tggtactgt 120
ccacaggcaa caggagtc tgtcgcggtt ctccaggagc acccagagtc tgcaccacag 180
acacgtccag gtaactggcc ataggctggt aggttcccgg atatcccga tagaaggcaa 240
actcagtggg gcggctgggg tactctccc cgccgtggg agtctccgc gggtagcgt 300
ccagggtggc tgcctgggca cagggttca gcgagctccg ggacactcgg caggagtagt 360
acccgcctcc aaagtaacca taaggcacgg gagctgggga cgtccctg 408

<210> 315
<211> 344
<212> DNA
<213> Homo sapiens

<400> 315
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tctccctggc aacacatctg gctgttcag ccaccagcga gaccaagac tggtaactgt 120
ccacaggcaa caggagtc tgctcggtt ctccaggagc acccagagtc tgcaccacag 180
acacgtccag gtaactggcc ataggtggtt ggttcccgga tatcccgat agaaggcaaa 240
ctcagtgggg cggtggggt acttctccc gccgtggga gtctccgcg ggtacgcggc 300
cagggtggct gcctgggcac agggtttcag cgagctccgg gaca 344

<210> 316
<211> 334
<212> DNA
<213> Homo sapiens

<400> 316
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tctccctggc aacacatctg gctgttcctg ccaccagcga gagcccaaga ctgtaactg 120
tccacaggca acaggagtc atgtcggtt tctccaggag caccagagt ctgcaccaca 180
gacacgtcca gtaactggc cataggctgg taggttcccg gatatcccg atagaaggca 240
aactcagtgg ggcggctggg gtactcttc ccggcgtgg gagtctccg ggggtacgcg 300
gccagggtgg ctgcctgggc acagggttc agcg 334

<210> 317
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (207)..(207)

<223> a or g or c or t/u

<400> 317

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tctccctggc aacacatctg gctgtccag ccaccagcga gaccaagac tggtaactgt 120

ccacaggcaa caggagtcga tgcgcggtt ctccaggagc acccagagtc tgcaccacag 180

acacgtccag gtaactggcc ataggtnngt aggttcccgg atatcccga tagaaggcaa 240

actcagtggg gcggctgggg tactcttccc cgcccgtagg agtctccg 288

<210> 318

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (238)..(238)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (300)..(300)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (321)..(321)

<223> a or g or c or t/u

<400> 318

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acaggcaaca gggagtcatt tcgcggttct ccaggagcac ccagagtctg caccacagac 120

acgtccaggt aactggccat aggtcggttag gttcccggat atcccggata gaaggcaaac 180

tcagtggggc gactggggta ctcttccccg gccgtgggag tctccgcggg gtacggcnac 240

agggtggctg cctgggcaca gggtttcagc gagctccggg acactcggca ggagtagtan 300

ccgcctcaaa gtaaccataa ngcacgggag ctggggacgt ccc 343

<210> 319
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (379)..(379)
<223> a or g or c or t/u

<400> 319
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aaagggacct ggtgggttct gttctccctg gcaacacatc tggctgttcc agccaccagc 120
gagagcccaa gactggtaac tgtccacagg caacagggag tcatgtcgcg gttctccagg 180
agcaccaga gtctgcacca cagacacgtc caggtaactg gccataggct ggtaggttcc 240
cggatatccc ggatagaagg caaactcagt ggggcgactg ggggtactct ccccggcccg 300
gggagtctcc gcggggtagc cgccagggt ggctgcctgg gcacagggtt tcagcgagct 360
ccgggacact cggcggagnt agtaccgcc tccaaagtaa ccataaggca cgggagctgg 420
ggaaccgtcc cctggggcac c 441

<210> 320
<211> 729
<212> DNA
<213> Homo sapiens

<400> 320
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ccatggagcc cggcaattat gccaccttgg atggagccaa ggatatcgaa ggcttgctgg 120
gagcgggagg ggggcggaat ctggtcgccc actccccctt gaccagccac ccagcggcgc 180
ctacgtgat gcctgtgtc aactatgcc cttggatct gccaggctcg gcggagccgc 240
caaagcaatg ccacccatgc cctgggggtgc ccaggggacg tccccagctc ccgtgcctta 300

tggttacttt ggaggcgggt actactcctg ccgagtgtcc cggagctcgc tgaaccctg 360
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 cccagccgc cccactgagt ttgccttcta tccgggatat ccgggaacct accagcctat 480
 ggccagttac ctggacgtgt ctgtggtgca gactctgggt gctcctggag aaccgcgaca 540
 tgactccctg ttgcctgtgg acagttacca gtcttgggct ctcgctgggt gctggaacag 600
 ccagatgtgt tgccaggagg aacagaaccc accaggtccc tttttggaag gcagcatttg 660
 cagactccag cggcaggacc tcctgaacgc ctgcgccttt cgtcgcggcg tctaaagtaa 720
 tcctcgagg 729

<210> 321
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (301)..(301)
 <223> a or g or c or t/u

<220>
 <221> misc_feature
 <222> (479)..(479)
 <223> a or g or c or t/u

<400> 321
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 gctcggagct tcggttctgc gggttgtcca gatttcaggc ctgtgcgctc aatcgtggag 120
 aatgcgccgg caggcccccc acccccagcc taagggtgcag gaaggaccag cacgaaccgg 180
 ctggctttgc tgcgcggcca ggagatgagt cccaccgggc actgagccca ggtacaggac 240
 atcagagaat gaacacagag gcagaggccc tcattgtcct ctcagagtcc cggctctgca 300
 nagagcccggt ctgtctccag cttccagaat tccgactgt gaatctgtct acgtggactg 360

ggaaaacagg gttggcacca ctctgccact ccgtttgtgc ctgggaaggg ctaagtatgc 420

aaggctacaa acatctactt cactgggatc ccaaatgctc aacaacat gacctgctnt 480

ggtcagaacc accagaaata tt 502

<210> 322

<211> 282

<212> DNA

<213> Homo sapiens

<400> 322

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ggagagcgag ctgggtgccc cctagattcc ccgccccgc acctcatgag ccgaccctcg 120

gctccatgga gcctggcata ttatgccacc ttggtatgga gccaaaggata tcgaaggctt 180

gctgggagcg ggaggggggc ggaatctggt cgcccactcc cctctgacca gccaccagc 240

ggcgctacg ctgatgcctg ctgtcaacta tgcccccttg ga 282

<210> 323

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (201)..(201)

<223> a or g or c or t/u

<400> 323

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ggcaacacat ctggctgttc cagccaccag cgagacgcca agactggtaa ctgtccacag 120

gcaacaggga gtcatgtcgc ggttctccag gagcaccag agtctgcacc acagacacgt 180

ccaggtaact ggccataggt nggtagggtc ccgatatcc cggatagaag gcaaactcag 240

tggggcggtt ggggtactct tccccggccg tgggagtctc cgcggggtag gcgcacagg 300

tggctgcctg ggcacagggt ttacgcgagc tccgggacac tcggcaggag tagtaccgc 360

ctccaaagta accataaggc a

381

<210> 324

<211> 405

<212> DNA

<213> Homo sapiens

<400> 324

aactgctcgc caccgacccc actactcgcc accgacccgc tgctcggagc ttcggttctg 60

cgggttgctc agacttcagg cctgtgcgct caatcgtgga gaatgcgccg gcagccccc 120

ccccagcct aaggtgcagg aaggaccagc acgaaccgc tggctttgct gcgcggccag 180

gagatgagtc ccaccgggca ctgagcccag gtacaggaca tcagagaatg aacacagagg 240

cagaggccct catgtccctc tcagagtccc ggctctgcaa agagcccgtc tgtctccagc 300

ttccagaatt ccgcacttg aatctgtcta cgtggactgg gaaaacaggg ttggcaccac 360

tctgccactc cgtttgtgcc tgggaagggc taagtatgca aggct 405

<210> 325

<211> 328

<212> DNA

<213> Homo sapiens

<400> 325

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acagcaggaa gactgaggag aggggaacgg gcagattcgt tgtgtggctg tgatgtccgt 120

ttagcatttt tctcagctga cagctgggta ggtggacaat ttagaggct gtctcttct 180

ccctccttgc ccacccata ggtgtaccc actggtcttg gaagcaccca tccttaatac 240

gatgattttt ctgtcgtgtg aaaatgaagc cagcaggctg cccctagtca gtccttcctt 300

ccagagaaaa agagatttga gaaagtga 328

<210> 326

<211> 320

<212> DNA
<213> Homo sapiens

<400> 326

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ggatgggtgc ttccaaaacc agtgggtaca ccctatgggg gggacaagga gggaggaaga 180
gacagcctct acaattgtcc acctaccag ctgtcagctg agaaaaatgc taaacggaca 240
tcacagccac acaacgaate tgcccgttcc cctctctca gtcttctgc tgttaccagg 300
gtgagaggtg taatggaagg 320

<210> 327
<211> 321
<212> DNA
<213> Homo sapiens

<400> 327

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agacagcctc tacaattgtc cacctacca gctgtcagct gagaaaaatg ctaaaccggac 240
atcacagcca cacaacgaat ctgcccggtc cctctctc agtcttctg ctgttaccag 300
ggtgagaggt gtaatggaag g 321

<210> 328
<211> 354
<212> DNA
<213> Homo sapiens

<400> 328

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gctcggagct tcggttctgc gggttgtcca gacttcaggc ctgtgcgctc aatcttgag 120

aatgcgccgg caggcccccc acccccagcc taagggtgcag gaaggaccag cacgaacccg 180
ctggctttgc tgcgcggcca ggagatgagt cccaccgggc actgagccca ggtacaggac 240
atcagagaat gaacacagag gcagaggccc tcatgtccct ctcagagtcc cggctctgca 300
aagagcccg ctgtctccag cttccagaat tccgcactgt gaatctgtct acgt 354

<210> 329
<211> 448
<212> DNA
<213> Homo sapiens

<400> 329
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acaaacggag tggcagagtg gtgccaaccc tgttttccca gtccacgtag acagattcac 120
agtgcggaat tctggaagct ggagacagac gggctctttg cagagccggg actctgagag 180
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gcaccttagg ctgggggtgg ggggcctgcc ggcgcattct ccacattga gcgcacaggc 360
ctgaagtctg gacaaccgc agaaccgaag ctccgagcag cgggtcgggtg gcgagtagtg 420
gggtcgggtg cgagcagttg gtgtgtggg 448

<210> 330
<211> 223
<212> DNA
<213> Homo sapiens

<400> 330
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aggagcgaaa gtgggggtgt cctggggaga ccaggaacct gccaaagcca ggctggggcc 120
aaggactctg ctgagaggcc cctagagaca acacccttc caggccactg gctgctggac 180
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<210> 331
<211> 157
<212> DNA
<213> Homo sapiens

<400> 331
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gttctttggg aaccctgggtg gagtgggctg tcacatgggg ttccgtctcc ctgcacatac 120
tgggtacca ggccgtcct gaggaacagt ccagcag 157

<210> 332
<211> 344
<212> DNA
<213> Homo sapiens

<400> 332
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<210> 333
<211> 344
<212> DNA
<213> Homo sapiens

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ttgagcgcac aggcctgaag tctggacaac ccgcagaacc gaagctccga gcagcgggtc 300

ggtggcagtg agtgggggtcg gtggcgagca gttggtggtg ggcc 344

<210> 334

<211> 305

<212> DNA

<213> Homo sapiens

<400> 334

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gagaatgcgc cggcagcccc cacccccagc ctaagggtgca ggaaggacca gcacgaaccc 120

gctggctttg ctgcgcggcc aggagatgag tcccaccggc actgagccag gtacaggaca 180

tcagagaatg aacacagagg cagaggcctc atgtccctct cagagtcccg gctctgcaaa 240

gagccgtact gtctccagct tccagaattc cgcactgtga atctgtctac gtggactggg 300

aaaac

305

<210> 335

<211> 687

<212> DNA

<213> Homo sapiens

<400> 335

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cttcattac acctctcacc ctggtaacag caggaagact gaggagaggg gaacgggcag 180

attcgttgtg tggctgtgat gtccgtttag cattttctc agctgacagc tgggtaggtg 240

gacaattgta gaggctgtct ctctccct cctgtccac cccatagggt gtaccactg 300

gtcttggaac caccatcct taatacatg atttttctg cgtgtgaaa tgaagccagc 360

aggctgcccc tagtcagtc ttcttccag agaaaaagag atttgagaaa gtcctgggt 420

aattcacat taatttctc ccccaaactc tctgagcttt cccttaatat ttctggtggt 480

tctgacaaa gcaggtcatg gtttgttgag catttgggat cccagtgaag tagatgtttg 540
tagccttgca tacttagccc ttcccaggca caaacggagt ggcagagtgg tgccaaccct 600
gtttcccag tccacgtaga cagattcaca gtgcggaatt ctggaagctg gagacagacg 660
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<210> 336
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<212> DNA
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cccttcatt acacctctca ccctggtaac agcaggaaga ctgaggagag gggaacgggc 180
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tctgaccaa agcaggtcac gtttgttga gcatttggga tcccagtga gtagatgtt 540
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tgttttccca gtccacgtag acagattcac agtgcggaat tctggaagct ggagacagac 660

gggctctttg cagagccggg actctga 687

<210> 337

<211> 473

<212> DNA

<213> Homo sapiens

<400> 337

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taatatttct ggtggttctg accaaagcag gtcattggtt gttgagcatt tgggatccca 180

gtgaagtaga tgttttagc ctgcatact tagcccttcc caggcacaaa cggagtggca 240

gagtgggtgcc aacctgttt tccagtcga cgtagacaga ttcacagtgc ggaattctgg 300

aagctggaga cagacgggct ctttcagag ccgggactct gagagggaca tgagggcctc 360

tgcctctgtg ttcattctct gatgtcctgt acctgggctc agtgcccgtt gggactcctc 420

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<210> 338

<211> 514

<212> DNA

<213> Homo sapiens

<400> 338

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ggctgtctct tctccctcc ttgtccccc catagggtgt acccactggt cttggaaaca 180

cccatcctta atacgatgat tttctgtcg tgtgaaaatg aagccagcag gctgcccta 240

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atttctccc ccaaactctc tgagtcttcc cttaatatct ctggtggttc tgaccaaagc 360

aggatcatggt ttgttgagca ttgggatcc cagtgaagta gatgtttgta gccttgcata 420
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 <212> DNA
 <213> Homo sapiens

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 agtgcggaat tctggaagct ggagacagac gggctcttg cagagccggg actctgagag 240
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 gcaccttagg ctgggggtgg ggggcctgcc ggcgcattct ccacattga gcgcacaggc 420
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<210> 340
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 <212> DNA
 <213> Homo sapiens

<400> 340
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 gcagagtgg gccaacctg tttccagc ccacgtagac agattcacag tgcggaattc 180
 tggaagctgg agacagacgg gctctttgca gagccgggac tctgagagg acatgagggc 240
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atctcctggc cgcgcagcaa agccagcggg ttcgtgctgg tccttcctgc acctt 355

<210> 341

<211> 490

<212> DNA

<213> Homo sapiens

<400> 341

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tgtgatgtcc gtttagcatt ttctcagct gacagctggg taggtggaca attgtagagg 180

ctgtctcttc ctccctcctt gtccaccca taggggtgtac ccaactggtct tggaacacc 240

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cagtccttcc ttccagagaa aaagagattt gagaaagtgc ctgggtaatt caccattaat 360

ttctccccc aaactctctg agtcttcct taatatttct ggtggttctg accaaagcag 420

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tagcccttcc 490

<210> 342

<211> 403

<212> DNA

<213> Homo sapiens

<400> 342

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ggatggagcc aaggatatcg aaggcttctt gggagcggga ggggggcgga atctggtcgc 180

ccactccct ctgagcagcc acccagcggc gcctacgtg atgcctgctg tcaactatgc 240

ccccttgat ctgccaggct cggcggagcc gccaaagcaa tgccacccat gccctggggt 300

gccccagggg acgtccccag ctcccgtgcc ttatggttac ttggaggcg ggtactactc 360

ctgccgagtg tcgcggagct cgctgaaacc ctgtgccag gca 403

<210> 343
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (533)..(533)
<223> a or g or c or t/u

<400> 343
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cttcattac acctctcacc ctggaacag caggaagact gaggagaggg gaacgggcag 180
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gtcttgaaa caccatcct taatacatg atttttctgt cgtgtgaaa tgaagccagc 360
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aattcacat taatttctc ccccaaactc tctgagtcct cccttaatat ttctggtggt 480
tctgacaaa gcaggtcatg gttgttgag catttgggt cccagtgaag tanatgttg 540
tagccttgca tacttagccc tt 562

<210> 344
<211> 463
<212> DNA
<213> Homo sapiens

<400> 344
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acaccctatg ggggtgacaa ggaggaggga agagacagcc tctacaattg tccacctacc 120
cagctgtcag ctgagaaaaa tgctaaacgg acatcacagc cacacaacga atctgcccgt 180

tccctctcc tcagtctcc tgctgttacc aggggtgagag gtgtaatgga aggggggtctg 240
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 tgaaagcggg ttctaaagtg ctctacagag ctctagatag aaaatatgag gctaacgata 360
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 ggccagggtc ttgggaacc ctgggtggagt gggctgtcac atg 463

<210> 345
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 345
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 ccaggttctt tgggaaccct ggtggagtgg gctgtcacat ggggttccgt ctccctgcac 120
 atactgggta cccaggccgc tctgaggaa cagtcagca cagggttca gcgagctccg 180
 ggacactcgg cctcgtgc 198

<210> 346
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 346
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 ggatgggtgc ttccaaaacc agtgggtaca ccctatgggg tggacaagga gggaggaaaa 180
 aacagcctct acaattgtcc acctaccag ctgtcagctg aaaaaaatgc taaacggaca 240
 tcacagccac acaacgaate tgcccgtcc cctctctca gtcttctgc tgttaccagg 300
 gtgaaagggtg taatggaagg 320

<210> 347
<211> 421
<212> DNA
<213> Homo sapiens

<400> 347
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cccaccgggc actgagccca ggtacaggac atcagagaat gaacacagag gcagaggccc 240
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tccgcactgt gaatctgtct acgtggactg ggaaaacagg gttggcacca ctctgccact 360
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c 421

<210> 348
<211> 272
<212> DNA
<213> Homo sapiens

<400> 348
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gatcatggca gctagtactg gttatcgtga ttattgccac tgcaggatg aatgattatg 180
actgggccag gttctttggg aaccctgggtg gagtgggctg tcacatgggg ttccgtctcc 240
ctgcacatac tgggtaccca ggccgctcct ga 272

<210> 349
<211> 679
<212> DNA
<213> Homo sapiens

<400> 349

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 ccttatggtt actttggagg cgggtactac tctgccgag tgtcccgagg ctgctgaaa 420
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 cctatggcca gttacctgga cgtgtctgtg gtgcagactc tgggtgtcc tggagaacgc 600
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 <211> 393
 <212> DNA
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<210> 351
<211> 504
<212> DNA
<213> Homo sapiens

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<222> (479)..(479)
<223> a or g or c or t/u

<400> 351
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aatgcgccgg caggcccccc acccccagcc taaggtgcag gaaggaccag cacgaaccg 180
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<210> 352
<211> 451
<212> DNA
<213> Homo sapiens

<400> 352
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aatgcgccgg caggcccccc acccccagcc taaggtgcag gaaggaccag cacgaaccg 180
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aagagcccg ctgtctccag ctccagaat tccgactgt gaatctgtct acgtggactg 360

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aaggctacaa acatctactt cactgggatc c 451

<210> 353

<211> 219

<212> DNA

<213> Homo sapiens

<400> 353

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agccaccagc gagagcccaa gactggtaac tgtccacagg caacaggag tcatgtcgcg 180

gttctccagg agcaccaga gtctgcacca cagacacgt 219

<210> 354

<211> 699

<212> DNA

<213> Homo sapiens

<400> 354

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ccccaaact ctctgagtct tccctaata ttctggtgg ttctgaccaa agcaggtcat 180

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<210> 355

<211> 575

<212> DNA

<213> Homo sapiens

<400> 355

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<210> 356

<211> 684

<212> DNA

<213> Homo sapiens

<400> 356

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<210> 357
 <211> 855
 <212> DNA
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 <211> 1356
 <212> DNA
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 <211> 1026
 <212> DNA
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<400> 359
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 ggggggcgga atctggtcgc cactccct ctgaccagcc accagcggc gctacgctg 180
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 cggccactg agttgcctt ctatccggga tatccggga cctaccacgc tatggccagt 480
 tacctggacg tgtctgtgt gcagactctg ggtgctctg gagaaccgc acatgactcc 540
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 tgttgcagg gagaacagaa cccaccagg ccttttga aggcagcatt tgcagactcc 660
 agcgggcagc accctctga cgcctccgc ttcgtcgcg gccgaagaa acgattccg 720

tacagcaagg ggcagttgcg ggagctggag cgggagtatg cggctaacaa gttcatcacc 780
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 acccctaag agatctcctt gcctgggtgg gaggagcgaa agtgggggtg tcctggggag 960
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 aacacc 1026

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<400> 360
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 gctgggtgcc ccctagattc cccgcccccg caccatga gccgaccctc ggctccatgg 180
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 gaggggggcg gaatctggtc gccactccc ctctgaccag ccaccagcg ggcctacgc 300
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 aatgccacc atgcctggg gtgcccagg ggacgtccc agtcccgtg cttatggtt 420
 actttggagg cgggtactac tcctgccgag tgtcccgag ctgctgaaa ccctgtgcc 480
 aggcagccac cctggccgcg taccgcgag agactccac ggccggggaa gactaccca 540
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 gttacctgga cgtgtctgtg gtgcagactc tgggtgctcc tggagaaccg cgacatgact 660
 ccctgttgc tgtggacagt taccagtctt gggctctcg tgggtgctgg aacagccaga 720
 tgtgttgcca gggagaacag aaccaccag gtccctttg gaaggcagca ttgcagact 780

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 agtatgtgca gggagacgga acccatgtg acaggccac tccaccaggg ttcccaaaga 1260
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 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 361
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 tctgagtctt cccttaatat ttctggtggt tctgacaaa gcaggtcatt gttgttgag 180
 catttgggat cccagtgaag tagatgttg tagccttgca tacttagccc ttcccaggca 240
 caaacggagt ggcagagtgg tgccaaccct gtttcccag tccacgtaga cagattcaca 300
 gtgcggaatt ctggaagctg gagacagacg ggctctttgc agagccggga ctctgagagg 360
 gacatgaggg cctctgcctc tgtgttcatt ctctgatgtc ctgtacctgg gctcagtgcc 420
 cgggtgggact catctcctgg ctgcgcagca aagccagcgg gttcgtgctg gtccttcctg 480
 caccttaggc tgggggtggg gggcct 506

<210> 362
 <211> 597

<212> DNA
<213> Homo sapiens

<400> 362
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tctgagtctt cccttaatat ttctggtggt tctgacaaaa gcaggtcatg gtttgttgag 180
catttgggat cccagtgaag tagatgtttg tagccttgca tacttagccc ttcccaggca 240
caaacggagt ggcagagtgg tgccaaccct gtttcccag tccacgtaga cagattcaca 300
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cgggtgggact catctcctgg ctgcgcagca aagccagcgg gttcgtgctg gtccttcctg 480
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<210> 363
<211> 300
<212> DNA
<213> Homo sapiens

<400> 363
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caccttggat ggagccaagg atatgaagg ctgtctggga gcgggagggg ggcggaatct 180
ggtcgcccac tccccctga ccagccaccc agcggcgcct acgctgatgc ctgctgtcaa 240
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<210> 364
<211> 508
<212> DNA

<213> Homo sapiens

<400> 364

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tctgagtctt cccttaatat ttctgggtgt tctgacaaa gcaggtcagt gtttggtgag 180

catttgggat cccagtgaag tagatgtttg tagccttgca tacttagccc ttcccaggca 240

caaacggagt ggagagtgg tgccaaccct gtttcccag tccacgtaga cagattcaca 300

gtgcggaatt ctggaagctg gagacagacg ggctctttgc agagccggga ctctgagagg 360

gacatgaggg cctctgcctc tgtgttcatt ctctgatgtc ctgtacctgg gctcagtgcc 420

cggtagggact catctcctgg ctgcgcagca aagccagcgg gttcgtgctg gtccttcctg 480

caccttaggc tgggggtggg gggcctgc 508

<210> 365

<211> 284

<212> DNA

<213> Homo sapiens

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<222> (227)..(227)

<223> a or g or c or t/u

<220>

<221> misc_feature

<222> (269)..(269)

<223> a or g or c or t/u

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acagaggcag aggccctcat gtcctctca ggtcccggc tctgcaaaga gcccgctctgt 180

ctccagcttc cagaattccg cactgtgaat ctgtctacgt ggactngaa aacagggttg 240

gcaccactct gccactccgt ttgtgcctng gggcgggcag aggg 284

<210> 366

<211> 651

<212> DNA

<213> Homo sapiens

<400> 366

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cttggatgga gccaaggata tcgaaggctt gctgggagcg ggaggggggc ggaatctgtt 180
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ggtgccccag gggacgtccc cagctcccgt gccttatggt tactttggag gcgggtacta 360
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gtaccccgcg gagactcca cggccgggga agagtacccc agccgcccc ctgagtttgc 480
ctctatccg ggatatccg gaacctacca gcctatggcc agttacctgg acgtgtctgt 540
ggtgcagact ctgggtgctc ctggagaacc gcgacatgac tccctgttgc ctgtggacag 600
ttaccagtct tgggtctcg ctggtggctg gaacagccag atgtgttgc a 651

<210> 367

<211> 498

<212> DNA

<213> Homo sapiens

<400> 367

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cccaccaggt ccttttga aggacgatt tgcagactcc agcgggcagc accctcctga 180
cgctgcgcc ttctgctcg gccgcaagaa acgcattccg tacagcaagg ggcagttgcg 240

ggagctggag cgggagtatg cggctaaca gttcatcacc aaggacaaga ggcgcaagat 300
 ctcggcagcc accagcctct cggagcgcca gattaccatc tggtttcaga accgccgggt 360
 caaagagaag aaggttctcg ccaagggtgaa gaacagcgct accccttaag agatctcctt 420
 gcctgggtgg gaggatctaa agtgggggtg tcctggggag accaggaacc tgccaagccc 480
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<210> 368
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 368
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 cttaaagat ctccttgctt ggggtggagg agcgaaagt ggggtgtcct ggggagacca 120
 ggaacctgcc atcaccaggc tgggccaag gactctgtg agaggcccct agagacaaca 180
 ccctcccag gccattgctt gctggactgt gcctcaggag cggcctgggt acc 233

<210> 369
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 369
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 gaaacgtgtt tccagaattt gcctgtagaa tctaaaagag tggccaagag tctggaaatg 180
 catgaagact ggacgtatgt gatggtgggc aaaggcctga ctgtgtgtgg tgtgtgggta 240
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 gctgatcggg ggtgagagaa caagccggaa gccagggtgc tgcctggta tgctttggag 360
 gaacaggatt gcacgtgctc ctgtagggtg acctgtgtgc acctgtgaga tgacttagct 420

tggggcttgc aaggcctggg tctgcatggg tgggtatctg accatgcctt ttctccctc 480

cctttcacgc cgcgcagact ccagcgggca gcacctctc gacgcctgcg ctttcgtc 539

<210> 370

<211> 240

<212> DNA

<213> Homo sapiens

<400> 370

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gagccgacct tcggctccat ggagcccggc aattatgcca cttggatgg agccaaggat 120

atcgaagget tgctgggagc gggagggggg cggaatctgg tcgcccactc ccctctgacc 180

agccaccag cggcgcctac gcttgatgcc tgcttgtaa ctatgcccc ttgatctgc 240

<210> 371

<211> 469

<212> DNA

<213> Homo sapiens

<400> 371

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attatggcca ctgtcaggat gaatgataat gactgggcca ggtcctttgg aaaccctggt 180

ggagtgggct gtcacatggg gtcccgtctc cctgcacata ctgggtacct aggcgctcc 240

tgaggaacag tccagcagcc agtggcctgg gaagggtgtg gtctctaggg gcctctcagc 300

agagtccttg gccccagcct gggcttggca ggtccctggt ctcccagga cccccact 360

ttcgtcctc ccaccaggc aaggagatct ctaagggggt agcgtgttc ttcacctgg 420

cgagaacctt cttctcttg aaccggcggg gcggcgtggg gtaccgagc 469

<210> 372

<211> 472

<212> DNA

<213> Homo sapiens

<400> 372

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tctgagtctt cccttaatat ttctgggtgt tctgacaaa gcaagtcatg gttgttgag 180

catttgggat cccagtgaag tagatgtttg tagccttgca tacttagccc ttcccaggca 240

caaacggagt ggcagagtgg tgccaaccct gtttcccag tccacgtaga cagattcaca 300

gtgcggaatt ctggaagctg gagacagacg ggctctttgc agagccggga ctctgagagg 360

gacatgaagg cctctgcctc tgtgttcatt ctctgatgtc ctgtacctgg gctcagtgcc 420

cgggtgggact catctcctgg ctgcgcagca aagccagcgg gttcgtgctg gt 472

<210> 373

<211> 450

<212> DNA

<213> Homo sapiens

<400> 373

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gcgtgggtgg gaggagcgaa agtgggggtg tcctggggag accaggaacc tgccagccca 120

ggctgaggcc aaggactctg ctgagaggcc cctagagaca acacccttc caggccactg 180

gatgctgaac tgtccctcag gagcggcctg ggtaccagct atgtgcaggg agacggaacc 240

ccatgtgaca gccactcca ccagggttcc caaagaacct ggccccagtc ataattc 300

atcctgacag tggcaataat cacgataacc agtactagct gccatgatcg taagcctcat 360

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atgactcaat ttgaaccggc gtccggcgtg 450

<210> 374

<211> 472

<212> DNA

<213> Homo sapiens

<400> 374

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cctgccaagc ccaggctgtg gccaaggact ctgctgagag gccctatga gacaacaccc 180
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ccatgatcgt aagcctcata ttgctatct agagctctgt agagcccttt agaaaccgct 420
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<210> 375

<211> 320

<212> DNA

<213> Homo sapiens

<400> 375

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tattttctat cttagagctct gtagagcact ttagaaaccg ctttcatgaa tggagctaat 180
tatgaataaa ttggaaggc gatcccttgg cagggaagct ttctctcaga ccccttcca 240
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<210> 376

<211> 459

<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

<220>
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<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (443)..(443)
<223> a or g or c or t/u

<220>
<221> misc_feature
<222> (459)..(459)
<223> a or g or c or t/u

<400> 376
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ggcggagccg ccaaagcaat gccacccatg ccctgggggtg ccccagggga cgtccccagc 360
tccctgcct tatggttact ttggaggcgg gtinctactcc tgccgagtgt cccggagctc 420
gctgaaaccc tgtgcccann canccacct ggccgcgtn 459

<210> 377
<211> 156
<212> DNA
<213> Homo sapiens

<400> 377
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156

<210> 378

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (233)..(233)

<223> a or g or c or t/u

<400> 378

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ggaacctgcc agccccaggc tgggcccaag gactctgctg agaggcccct agagacaaca 180

ccctccag gccactgtct gctggactgt tctcaggag cggcctgggt acncagtatg 240

tgcagggaga cggaaccca tgtgacagcc cactccacca ggttccaa agaacctggc 300

ccagtcataa tcattcatcc tgacagtggc aataatcacg ataaccagta ctagtgcca 360

tgatcgtag cctcatattt tctatctaga gctctgtaga gcactttaga aaccgtttc 420

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<210> 379

<211> 666

<212> DNA

<213> Homo sapiens

<220>

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<222> (594)..(594)

<223> a or g or c or t/u

<400> 379

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 catttg 666

<210> 380
 <211> 664
 <212> DNA
 <213> Homo sapiens

<400> 380
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 accgcgagga agcttctcg caactttgtg gtagattact atgagaccag cagcctctgc 240
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 cgtgtattg tattaggtgt catttccatt atttatatta gtttagcaa aggataagtg 540

tcccctatgg ggatgggtcca ctgtcactgt ttctctgctg ttgcaaatac atggataaca 600

catttgattc tgtgtgtttt cataataaaa ctttaaaata aaatgcaaaa aaaaaaaaaa 660

aaaa 664

<210> 381

<211> 1308

<212> DNA

<213> Homo sapiens

<400> 381

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acacacaggg gctgccagaa gctgccggtt tcgtgggagg cattacaagc gggagttcag 180

gctggaaggg gagcctgtag ccctgaggtg ccccaggtg ccctactggt tgtgggcctc 240

tgtcagcccc cgcacaaacc tgacatggca taaaatgac tctgctagga cgtgccagg 300

agaagaagag acacggatgt gggcccagga cgtgctctg tggttctgc cagccttgca 360

ggaggactct ggcacctacg tctgcactac tagaaatgct tcttactgtg acaaaatgct 420

cattgagctc agagttttg agaatacaga tgctttcctg ccgttcactc catacccgca 480

aattttaacc ttgtcaacct ctgggggtatt agtatgccct gacctgagt aattcacccg 540

tgacaaaact gacgtgaaga ttcaatggta caaggattct cttcttttgg ataaagacaa 600

tgagaaattt ctaagtgtga gggggaccac tcacttactc gtacacgatg tggccctgga 660

agatgctggc tattaccgct gtgtcctgac atttgcccat gaaggccagc aatacaacat 720

cactaggagt attgagctac gcatcaagaa aaaaaaagaa gagaccattc ctgtgatcat 780

ttccccctc aagaccatat cagcttctct ggggtcaaga ctgacaatcc cgtgtaaggt 840

gtttctggga accggcacac ccttaaccac catgctgtgg tggacggcca atgacacca 900

catagagagc gcctaccgga gaggcgcgt gaccgagggg ccacgccagg aatattcaga 960

aaataatgag aactacattg aagtgccatt gatttttgat cctgtcaca gagaggattt 1020

gcacatggat tttaaattg ttgtccataa taccctgagt ttcagacac tacgcaccac 1080

agtcaaggaa gcctcctcca cgttctcctg gggcattgtg ctggccccac tttactggc 1140

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agatggctg actgtgctat ggctcatca tcaagacttt caatcctatc ccaagtgaag 1260

taaatggaat gaaataattc aaacacaaaa aaaaaaaaaa aaaaaaaaaa 1308

<210> 382

<211> 2110

<212> DNA

<213> Homo sapiens

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